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A CONTRIBUTION TO

# THE FLORA OF DERBYSHIRE.

BEING AN ACCOUNT OF THE

FLOWERING PLANTS, FERNS, AND CHARACEÆ

FOUND IN THE COUNTY.

BY

THE REV. W. H. PAINTER,

CORRESPONDING MEMBER OF THE BIRMINGHAM NATURAL HISTORY AND MICROSCOPICAL SOCIETY.

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# BIOLOGY

"God said, Let the earth bring forth grass, the herb yielding seed, and the fruit tree yielding fruit after his kind, whose seed is in itself, upon the earth: and it was so."—*Gen. i., 11.*

"By Him were all things created, that are in heaven, and that are in earth, visible and invisible; . . . . all things were created by Him and for Him."—*Col. i., 16.*

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# PREFACE.

This book is not issued as containing a complete record of the Flora of Derbyshire, but as a pioneer of future efforts towards obtaining full information of the plants growing within its boundaries, since very little has been done in that part of the county where the coal measures occur. It is, therefore, to be hoped that the issue of this publication may have the effect of stirring up the Botanists living in this part of the county to work out the subject of it; and may the perusal of the following pages have this further result, that those who study the distribution of flowering and other plants in our country may be led by that study into a deeper admiration of God's works, and a more profound reverence for the wisdom of Him who has appointed the variations of climate, the recurrence of the seasons in their order, and the bounds of man's habitation; and who has displayed in the wondrously adapted organs of the lowliest plants Almighty power and Infinite love! Studying His wonders in creation, even in that portion of His works included in botanical research, may every reader of this work be led to desire a more intimate acquaintance with the wonders of redeeming love, beside which even creative power is comparatively small!

I shall be glad to receive communications giving information respecting the plants mentioned in the following pages, or any that may be hereafter discovered in Derbyshire.

W. HUNT PAINTER.

Knypersley Hall,
Congleton,
*July, 1889.*

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# INTRODUCTION.

The character of the Flora of a District is owing in a great measure to its geological features, and it will be seen that the nature of the Flora of Derbyshire is no exception to this rule.

Taking the different geological formations in order, we have first large beds of *Drift*, which lie in the river valleys and extend over the lower lands of the county.

Next in order are the *Triassic Rocks*, which occur in the southern part of Derbyshire, and which extend from Ashbourne and Duffield to the borders of Leicestershire, Warwickshire, and Staffordshire. A narrow band of Magnesian Limestone is found on the extreme east of the county—in the neighbourhood of Mansfield.

Beneath these lie the *Coal Measures*, which reach from Sheffield on the north to within six miles of Derby.

In the northern part of the county there is a wild moorland tract of country, where the *Millstone Grit Rocks* predominate, with Kinder Scout (1,981ft.), Cowburn (1,816ft.), Axe Edge (1,751ft.), and Mam Tor (1,709ft.) as the highest points. These series of rocks extend from Glossop on the north to Duffield on the south.

Beneath these series come the *Yoredale Rocks*, which are composed of beds of impure limestone and shales, and which are exposed in the ravines on the flanks of Kinder Scout, Mam Tor, and other hills.

Next in descending order is the *Carboniferous Limestone*. This series commences on the north near Castleton and Buxton and terminates at Matlock Bath, with outliers at Crich Hill, and Tickenhall on the borders of Leicestershire.

The famous dales and caves of Derbyshire occur in this formation with a flora peculiar to themselves and to the other parts of our island where these rocks are found.

The rivers of Derbyshire are not for the most part important ones, though there are some within the county which are remarkable for their beauty. In the Peak District are the *Etherow*, which forms the extreme northern boundary of the county; the *Hope*, which runs through the Vale of Edale and Hope Dale, and falls into the Derwent; the *Derwent*, which rises on Langsett Moor and falls into the Trent, thus traversing the whole of the county; the *Wye*, which rises on Axe Edge and flows through a succession of dales until it falls into the Derwent at Rowsley, receiving on its way the waters of the *Lathkill*. In the centre of the county are the *Amber*, also a tributary of the Derwent; the *Rother*, which flows northwards from near Chesterfield; and the *Erewash* forms the boundary between Derbyshire and Nottinghamshire. On the S.E. of the county is the *Trent*, which separates this county from that of Leicester. On the W. and S.W. is the *Dove*, which rises on one of the flanks of Axe Edge and runs through the beautiful dale to which it gives its name, separating the counties of Derby and Stafford through the whole length of its course from its source to its junction with the Trent; while on the north-western side of the county are the *Goyt* and the *Dane*, which form the boundary between it and Cheshire. The sources of these three last-mentioned rivers are not far distant from each other, and thus Axe Edge is shown to be the chief water-shed, for, whilst the Dove flows into the Trent and so into the North Sea, the Goyt and the Dane flow into the Mersey and so into the Irish Sea.

*Topographical Divisions.*—For the sake of convenience the county may be divided into three portions, and the flora arranged accordingly, and in the following pages reference will be made thus:—

I. The *Peak* District, in which are the principal hills and dales.

II. The *Central* District, embracing the Coal Measures and the Magnesian Limestone.

III. The *Southern* District, extending over the country south of Duffield and Ashbourne.

*Names and Species Limit.*—The sequence, nomenclature, and limitation of the species given in the following pages are the same as those which are found in the "Cybele Britannica" and its "Compendium," and in the "Topographical Botany" issued by the late Mr. H. C. Watson, and in Mr.

J. G. Baker's books, "North Yorkshire," the "New Flora of Northumberland and Durham," and the "Flora of the English Lake District." In this work I have only numbered the species that have a reasonable claim to be regarded as wild plants in Derbyshire. A break in the regular sequence of the figures consequently indicates that plants that grow wild elsewhere in Britain are not found in this county. The plants whose names are given in *italics* are considered as ambiguities and doubtful, respecting which further information is required.

*Classes of Citizenship.*—These are to be understood as used in the same sense as in Watson's "Cybele Britannica," where they are fully defined and explained. By a "*Native*" is meant a plant which, so far as present appearances show, has established itself quite independently of man's intervention. By a "*Colonist*" is meant a well-established weed of corn fields and arable land; by a "*Denizen*," a plant that now looks quite wild, but may, perhaps, have been originally introduced by human agency; and by an "*Alien*," a species established less thoroughly, which, without doubt, has strayed from cultivation.

*Types of Distribution.*—The types of distribution, as worked out by Mr. Watson, furnish a ready means of indicating the distribution of species through Britain as a whole. The types are as follows, viz.:—

1. *British Type.*—Species which are spread at shore-level through the length and breadth of the island.

2. *English Type.*—Species which have their headquarters in the south of England, and become rare and run out in the north of England or south of Scotland.

3. *Germanic Type.*—Species that have their headquarters in the east of England, and become rare and run out altogether in the western counties.

4. *Atlantic Type.*—Species that have their headquarters in Wales and the west of England, and run out eastward.

5. *Scottish Type.*—Species that have their headquarters in Scotland, and run out in the north of England.

6. *Highland Type.*—Species that have their headquarters in the Scotch Highlands, and grow southward only amongst the high mountains of the north of England and Wales.

7. *Intermediate Type.*—Species that have their headquarters in the north of England.

8. *Local Type.*—Species too local to be classed under any of the preceding types.

The following table, therefore, will show at a glance how the plants of Derbyshire are spread through the rest of

Britain, and how the flora of this county compares with that of the whole island:—

| | Britain. | Derbyshire. |
|---|---|---|
| British ... ... | 532 | 532 |
| English ... ... | 409 | 282 |
| Germanic ... ... | 127 | 14 |
| Highland ... ... | 120 | 9 |
| Scottish ... ... | 81 | 30 |
| Atlantic ... ... | 70 | 3 |
| Intermediate ... | 37 | 16 |
| Local ... ... | 49 | 3 |
| *Total | 1,425 | 889 |

*Zones of Temperature and Altitude.*—By "range" is meant range in altitude above sea-level, and by the figures 1-2-3 the zones of altitude in which the plant grows in Derbyshire. For tracing out the vertical range of species Mr. Watson divided the surface of Britain into two "regions" and six "zones" of temperature. The two regions he called "Agrarian" and "Arctic." The Agrarian includes the whole surface of the island at sea-level and as far up the hills as arable cultivation is possible. This is up to about 600 yards above sea-level in the north of England and 400 yards in the Scotch Highlands, whilst all above this belongs to the Arctic region. These two regions he divided each into three zones, Super-agrarian, Mid-agrarian, and Infer-agrarian; Super-arctic, Mid-arctic, and Infer-arctic. Of these six zones only the Agrarian are represented in Derbyshire, the highest hill being only 1,981 feet high, whilst the lowest land is about 150 feet above the sea-level. I begin to count from below, and my zone 1 corresponds with Watson's Infer-agrarian zone; my zone 2 to his Mid-agrarian zone; and my zone 3 to his Super-agrarian zone.

Zone 1.—Infer-agrarian zone of Watson. This embraces all the low-lying part of Derbyshire, and is marked by the prevalence of *Convolvulus sepium*, *Bryonia dioica*, *Tamus communis*, *Acer campestre*, *Rhamnus catharticus*, and *Cornus sanguinea*.

Zone 2.—Mid-agrarian zone of Watson. This descends, according to Mr. Baker, to 150 yards and ascends to 350 yards in Derbyshire; is marked by the plants given above occurring in less abundance than in the lower zone, and by the cessation of *Ulex* and the fruticose *Rubi* in the open

* The above summary of classes of citizenship, &c., is extracted from Mr. Baker's "Flora of the Lake District," pp. 2-4.

spaces, of *Pyrus Malus* and *Viburnum Opulus* in the woods, and of *Alnus glutinosa* and *Salix fragilis* following up the streams.

Zone 3.—Super-agrarian zone of Watson. This includes that portion of the county which lies at an elevation of 350 yards, according to Mr. Baker, and is marked by the presence of *Rubus Chamæmorus*, *Arbutus Uva Ursi*, &c.

## Bibliography of the Botany of Derbyshire.

1696. Ray's "Synopsis," 2nd Edition.

1729. Martyn in "Philosophical Transactions of the Royal Society," xxxvi., pp. 22-30.

1772. Gibson's Bp. Edition of Camden's "Britannia" includes Ray's List.

1789. Gough's Edition of Camden's "Britannia" includes Ray's List with additions.

1787-96. Withering's "Arrangement of British Plants," 3rd Edition. The habitats for the plants growing in Derbyshire were furnished by Rev. S. Dickenson, LL.D., Rector of Blymhill; Dr. J. E. Smith, F.R.S.; Mr. Whateley, and Mr. T. J. Woodward, F.L.S., of Bungay.

1789. Pilkington's "Derbyshire: an Account of its Geology, &c.," has a list of plants found in the county and recorded in Withering's "Arrangement of British Plants."

1805. Dawson Turner and Dilwyn: "The Botanist's Guide through England and Wales" contains the same information that is given in Pilkington's "Account of Derbyshire" respecting the Botany of the county.

1817 and 1821. "Purton's Midland Flora," by Thomas Purton, surgeon, Alcester, which contains lists of plants with their habitats contributed by Mrs. Acland and the Rev. W. T. Bree, Rector of Allesley, Warwickshire.

1823. "The English Flora," by Sir J. E. Smith, M.D., F.R.S., P.L.S. The plants mentioned herein as growing in Derbyshire are mainly those recorded by earlier botanists, with a few additions.

1829. Glover's "History of the County of Derby" contains a much longer list of plants than is to be found in any previous book; but the names of very few botanists are given in connection with these plants.

1835. Watson, Hewett Cottrell: "New Botanists' Guide to the Localities of the Rarer Plants of Britain." Vol. i., England and Wales; vol. ii., Scotland; and Supplement, 1837. This is substantially a new edition of the "Botanists' Guide" of Turner and Dillwyn, with additions by himself, Rev. Churchill Babington, Rev. A. Bloxam, Mr. J. E. Bowman, W. Christy, — Harriman, and Mr. G. Howitt. In his other books, "Cybele Britannica" and "Topographical Botany," 1873-4, of which a new edition has been issued, edited by Mr. J. G. Baker, F.R.S., and the Rev. W. W. Newbould, much additional information respecting this county has been given.

1838. "The British Flora," by Sir W. J. Hooker, gives several habitats of the plants growing in this county, chiefly on the authority of D. Turner and Dillwyn's "Botanists' Guide," and of Mr. Watson's works.

1844. Robert Garner, F.L.S.: "Natural History of the County of Stafford." This gentleman is still living at Stoke-upon-Trent, and has frequently conversed with me about his botanical discoveries in the dales of Derbyshire, he being the first to find *Draba incana* in Monsal Dale. In the above-mentioned book several interesting Derbyshire plants are mentioned and their habitats given.

1847. Whittaker, Joseph, Ferriby Brook, Morley, contributed to the "Phytologist," vol. ii., a "List of the Plants and Ferns" growing at Breadsall, near Derby. Mr. Whittaker has rendered me very valuable assistance at various times, besides furnishing me with specimens of the plants found in his neighbourhood. The information thus derived from him has his name placed against it in the following pages.

1851. "Gem of the Peak," by Thomas Adams. This contains a long list of plants which appears to have been derived from Glover's History, and no authorities are given for the habitats mentioned.

1863. "Natural History of Tutbury," by Sir Oswald Moseley, Bart., D.C.L., F.R.S., together with the "Fauna and Flora of the District surrounding Tutbury and Burton-on-Trent," by Edwin Brown. The contributors to the latter part of this work, so far as the botany is concerned, were the Revs. A.

Bloxam, W. H. Coleman, W. M. Hind, W. H. Purchas, and Churchill Babington; Dr. Hewgill, Mr. Garner, Mr. J. T. Harris, Mr. Mott, Mr. W. Birch, Mr. Valentine, and Mr. Ford. In this book several additional plants are mentioned and habitats given on the authority of these botanists.

1866. "Wild Flowers of Repton;" 2nd Edition, 1881, "Flora and Fauna of Repton." The flora in this work is the result of the labours of W. Wyatt and C. G. Thornton, from notes of collections made in 1859, 1860, and 1861, with additions by W. M. Sinclair, E. Blumhardt, and W. Nanson, to which Dr. Hewgill also rendered much assistance. This was revised by the late Mr. Garneys, of Repton, with the assistance of Mr. Hagger, by whom more species were added to those contained in the first edition.

1877. "The Ferns of Derbyshire," with a preface by the Rev. Gerard Smith, B.A., Ob. December 21st, 1881. This book appears to have been written after Mr. Smith left Osmaston-by-Ashbourne (of which place he was vicar from 1854 to 1871), and had taken up his residence at Ockbrook, near Derby. At this latter place it was my privilege to visit him frequently and converse with him, not only upon botany, but also upon the things of the Gospel. Mr. Smith had amassed during a long life considerable stores of scientific knowledge, which he delighted in imparting to others. But it was as a botanist that his scientific attainments were most marked. During his residence in Derbyshire, first at Osmaston and afterwards at Ockbrook, he accurately noted all the plants that he saw, the benefit of which observations I have reaped through the kindness of the Committee of University College, Nottingham, where his collections are preserved, and by whom I was allowed to make copious extracts from his MSS. for this work, all references to which are distinguished thus, "*Smith MSS.*" Further, not only did Mr. Smith give me much valuable information, but my herbarium was considerably enriched by specimens not only of Derbyshire plants, but also by specimens collected by him in various parts of England and Scotland.

N. D. Bemrose's "Guide to Derbyshire." Editor unknown. These contain lists both of plants and habitats for which no authorities are given.

1874-87. The reports of the Botanical Locality Record Club.

1881-8. "Journal of Botany." Papers by the Rev. W. H. Painter: "Notes upon the Flora of Derbyshire. 1881." "The Upland Flora of Derbyshire," by Mr. J. G. Baker, F.R.S., 1884. "The Upland Botany of Derbyshire," by Mr. W. West, *Ib.* "Notes on the Flora of Matlock," by Mr. J. G. Baker, F.R.S., and the Rev. W. W. Newbould, M.A., F.L.S., *Ib.* "Notes on the Flora of Buxton," by the Rev. W. Moyle Rogers, F.L.S., 1885. "Some more Notes on Dove Dale Plants," by the Rev. W. H. Purchas, *Ib.* "A List of Plants observed in South Derbyshire," by the same author, 1886. "South Derbyshire Plants," by the Rev. W. R. Linton, M.A., 1888.

1888. "The Flora of Ashton-under-Lyne and District," as compiled by the Ashton-under-Lyne Linnæa Botanical Society, with a List of Mosses of the District, by Mr. J. Whitehead.

In the "List of Plants observed in South Derbyshire" by Mr. Purchas, mentioned above, are recorded some new plants which were noted by the Rev. A. Bloxam during the time that he lived at Calke, which must have ended in the year 1833. The result of his observations he communicated to the late Mr. H. C. Watson, by whom the rarer plants were published in his "New Botanist's Guide" (1835), and more especially in the Supplement. On leaving Calke Abbey he placed in the hands of the then Lady Crewe a collection containing a specimen of almost every species observed by him. This collection was carefully preserved by Lady Crewe, and is now in the possession of Mr. Hugo H. Crewe, by whose kindness, as Mr. Purchas says, he was enabled to go carefully through it, and examine at leasure any species of which he was in doubt. The results of this examination Mr. Purchas very kindly allows me to reproduce in the succeeding pages, and they are marked "*Bloxam!*" This, however, is not the only kindness that I have received from Mr. Purchas. He has at various times assisted me

materially by examining critical species submitted to him, and by furnishing me with specimens, and with valuable general information. The like kindness I have also received from the other contributors to the "Journal of Botany," who not only allow me to make free use of their papers, but have favoured me with specimens. My warmest thanks are especially due to Professor Babington, F.R.S., and Mr. J. G. Baker for great kindness received from them, and for the counsel and assistance with which they have favoured me. The late Dr. Boswell, Mr. J. E. Bagnall, A.L.S.; Dr. Buchanan-White, Mr. N. E. Brown, of Kew; Mr. J. Groves, F.L.S.; and Mr. F. J. Hanbury, F.L.S., have also assisted me by examining specimens submitted to them, and I seize this opportunity of tendering my thanks to them for their valuable criticisms; and, further, I have to express my grateful acknowledgments to the following friends in addition to those already mentioned, who have kindly furnished me with information and with specimens of the plants gathered by them, whose names are placed against the habitats for which they are responsible:—

Rev. F. Atkinson, M.A., Rector of Darley.
Mr. C. Bailey, F.L.S., Whalley Range, Manchester.
Mr. Bland, Duffield.
Mr. J. H. Burkill, Caius College, Cambridge.
Mr. E. Candler, Repton School.
Rev. Canon Carr, M.A., Holbrook Hall, Derby.
Mr. J. W. Carr, B.A., Cant., University College, Nottingham.
Rev. R. Fielden, Muggington Rectory, Duffield.
Dr. Fraser, M.A., Wolverhampton.
Mr. C. T. Green, L.R.C.P. Lond., Birkenhead.
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Mr. Hannan, Ashton-under-Lyne.
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Mr. F. G. Playne, Stroud.
Mr. Rowland, Matlock Bath.

Mr. G. Scrimshaw, Chatsworth.
Mr. Searle, Ashton-under-Lyne.
Mr. J. E. Sunderland, Hatherlow, Stockport.
Rev. J. H. Thompson, B.A., Vicar of Cradley; deceased April 18th, 1889.
Rev. E. Warbreck, B.A., Vicar of Stapenhill.
Mr. C. Waterfall, The Hague, Renishaw, Chesterfield.
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Mr. J. Whitehead, Oldham.
Mr. Whitelegg, Australia.
Mr. Wild, Australia.

All the plants recorded in "Topographical Botany," 2nd Edition, for Derbyshire are included in the following pages, and in those cases where no information could be obtained respecting habitats, &c., the words "Topographical Botany" have been inserted.

# I. FLOWERING PLANTS.

## Class I. DICOTYLEDONS or EXOGENS.

### Division I. THALAMIFLORÆ.

### ORDER RANUNCULACEÆ.

**Clematis Vitalba**, L. (Traveller's Joy). Probably a garden escape.

I. Growing over high limestone walls, Matlock Bath, *Milnes.*

III. Tickenhall Quarry, *Repton, F. and F.*

2. **Thalictrum minus**, L. (Lesser Meadow-Rue). Native. Scottish type. Range 2.

I have been allowed through the courtesy of Mr. N. E. Brown, editor of the "Supplement of Syme's English Botany," to see the proof sheets of the same, and conclude that the Thalictrum, which has been usually named T. minus *var.* montanum, *Wallr.*, is really T. flexuosum, *Bernh.* Mr. Brown has seen my specimens from Derbyshire, and has verified my determination of them.

I. Monsal Dale, *Bailey;* the Winnatts and Cave Dale, Castleton; Cressbrook Dale; Priestcliffe Lees, near Miller's Dale! where it was pointed out to me by Mr. Bailey and Rev. W. H. Purchas. Peveril Castle, 400 yards, *Baker, J. B.*

4. **Thalictrum flavum**, L. Native. English type. Range 1-2. Watery places. Rare.

I. Monk's Dale, Wormhill, 350 yards, *West;* Castleton, *Searle.*

II. The Hague, Renishaw, Chesterfield, *Waterfall.*

III. Bull's Osier Bed, Repton, *Hagger;* near Burton-on-Trent, *Harris;* near Swarkestone Bridge, *Bloxam!* Anchor Church; Thrupton, *Hassé.*

6. **Anemone nemorosa**, L. (Wood Anemone). Native. British type. Range 1-2.

Common throughout the county in woods, &c.!

*Adonis autumnalis*, L. (Pheasant's Eye). Alien.

Seen once by the Rev. H. Milnes near Chesterfield, but no specimen was gathered.

10. **Myosurus minimus,** L. (Common or Little Mousetail). Native. Germanic type. Range 1-2.

I. Darley Dale, *Rowland.*

III. Drakelowe and Stapenhill, *Harris;* Osmaston-by-Ashbourne, *Smith MSS.*

11. **Ranunculus aquatilis,** L. (Water Crow-Foot). Native. British type. Range 1-2-3.

Ponds and ditches.

11.* **Ranunculus peltatus,** Schrank.

I. Monyash; R. Amber, Ashover; between Grange Mill and Long Cliff, near Cromford; near Aldwark Grange, *Bailey;* Chatsworth, *Baker, J. B.*

III. Old bed of the R. Derwent, Derby!

11.* **Ranunculus floribundus,** Bab.

I. Near Aldwark Grange, *Bailey, in Report, B. L. Record Club.*

III. Pools at Tickenhall, and at the Dimminsdale Lime Yard, Calke. Teste Boswell-Syme, *Purchas, J. B.*

11.* **Ranunculus heterophyllus,** Web. ex. p.

III. Litchurch, Derby! Morley!

11.* **Ranunculus Baudotii,** Godr.

I. Monk's Dale, Wormhill, *Searle,* fide J. Groves.

11.* **Ranunculus pseudo-fluitans,** Newb.

I. Lathkill Dale; Monsal Dale; Ashford-in-the-Water, *Bailey;* Dovedale, Ashwood Dale, and Miller's Dale!

III. Brailsford Brook, *Linton?*

11.* **Ranunculus Drouetii,** F. Schultz.

I. Via Gellia, *Bailey.*

III. Tramway at Tickenhall. Teste Boswell-Syme, *Purchas, J. B.*

11.* **Ranunculus circinatus,** Sibth. Native? English type. Range 1.

I. Matlock Bath, *Bailey.*

III. Repton, *Hagger;* small pond or reservoir at the upper end of Dimminsdale, Calke. "I also think I have seen it in the ornamental water in Melbourne Gardens," *Purchas, J. B.;* Osmaston Ponds, *Linton.*

11.* **Ranunculus fluitans,** Lam. Native. English type. Range 1.

I. R. Derwent, Whatstandwell, *Bailey.*

II. In the R. Rother, *Waterfall.*

III. R. Derwent, Darley Abbey, near Derby! About Burton-on-Trent, *Harris;* Brailsford Brook, *Linton?*

12. **Ranunculus Lenormandi,** F. Schultz. Native. English type. Range 1-2-3.

I. Kinder Scout, *West;* Axe Edge, over 550 yards; in the hollow, west of Buxton, *Rogers;* Coombe's Moss, Buxton!

III. Very rare. It occurred in very small quantity in a roadside ditch between Calke and Melbourne, evidently as a remnant of the ancient vegetation of Melbourne Common, which the road in question there crosses. The drainage of the ground, which slopes downward to the road, had doubtless brought with it this plant. Unfortunately it was destroyed by the trampling of the animals which used to drink at the spot, and it did not reappear. *R. Lenormandi* is especially a moorland species, making its appearance where wet and spongy places occur, or in the shallow ditches of the imperfectly reclaimed moors of Derbyshire and Staffordshire. In a mild winter it will often be in full flower in December or January. I have not observed the same thing in R. hederaceus.—*Purchas, J. B.*

13. **Ranunculus hederaceus,** L. (Ivy Crow-foot). Native. British type. Range 1-2-3.

I. Ashover, *Bailey;* Matlock Bath; Bonsall, *Rowland;* swamps up to 500 yards, *Baker, J. B.;* near Robin Hood's Stride, Birchover, *J. W. Carr.*

III. Milton, Repton, *Playne;* Repton Rocks, *Hagger;* Breadsall, near Derby, *Whittaker;* common at Burton-on-Trent, *Harris;* Tramway, near Tickenhall, *Purchas, J. B.;* about Shirley, *Linton;* Dale; Hilton, *Hassé.*

14. **Ranunculus Ficaria,** L. (Lesser Celandine or Pilewort). Native. British type. Range 1-3. Very common throughout the county!

15. **Ranunculus Flammula,** L. (Lesser Spearwort). Native. British type. Range 1-2-3.

I. Ascends up to 500 yards, *Baker, J. B.* Very common!

II. Common, *Waterfall.*

III. Breadsall and Morley Moors! Common about Calke, *Purchas, J. B.;* about Shirley, *Linton.*

16. **Ranunculus Lingua,** L. (Greater Spearwort). Native. English type. Range 1.

"Topographical Botany"? Wants confirmation.

18. **Ranunculus auricomus,** L. (Wood Crow-Foot, Goldilocks). Native. British type. Range 1.

I. Ashover, *Bailey.*
II. About Chesterfield, *Waterfall.*
III. Common about Derby! also about Shirley, *Linton.*

19. **Ranunculus acris,** L. (Bitter Buttercup). Native. British type. Range 1.
Common throughout the county!

20. **Ranunculus repens,** L. (Creeping Crow-Foot). Native. British type. Range 1-2-3.
Common throughout the county!

21. **Ranunculus bulbosus,** L. (Bulbous Crow-Foot or Buttercup). Native. British type. Range 1-2-3.
Very common throughout the county. Both this and the last-named species ascend to 500 yards, *Baker, J. B.*

22. **Ranunculus hirsutus,** Curt. (Pale Hairy Buttercup). Native. English type. Range 1.
"Topographical Botany." Howitt Cat. Brizlincote. *Nat. Hist. Tutbury.*

23. **Ranunculus sceleratus,** L. (Celery-leaved Crow-Foot). Native. British type. Range 1.
III. Morley, *Whittaker;* Borrowash; Tickenhall, *Purchas, J. B.;* near Shacklecross, *Hassé.*

*Ranunculus parviflorus,* L. (Small-flowered Crow-Foot).
Between Borrowash and Derby, by the Canal. *Glover's "History of Derbyshire."* Not seen for many years!

25. **Ranunculus arvensis,** L. (Corn Crow-Foot). Colonist. English type. Range 1.
II. Cornfields about Chesterfield, *Waterfall.*
III. Cornfields about Derby. Rare! Not seen by Mr. Purchas, but there is a specimen in Mr. Bloxam's collection gathered at the Tickenhall Lime Works, the seed of which may have been brought with fodder for the horses, *Purchas, J. B.*; Ockbrook and Spondon, *Hassé.*

26. **Caltha palustris,** L. (Marsh Marigold). Native. British type. Range 1-3.
I. Common! Ascends up to 500 yards, *Baker, J. B.* Rare about Matlock and at Dovedale, *B. and N., J. B.*
II. Common, *Waterfall.*
III. Common by streams! Boggy plantations at Calke, &c., *Purchas, J. B.*

27. **Trollius europæus,** L. (Globe-Flower). Native. Scottish type. Range 1-2-3.
I. Chee Torr; Brassington Rocks, *Purchas;* Miller's Dale, *Rogers*; between Miller's Dale and Litton Mill,

*Hannan*; Lovers' Leap, Buxton, *Green;* Monsal Dale and Monk's Dale, Wormhill, 350 yards, *West;* Via Gellia, *Rowland.*

29. **Helleborus viridis,** L. (Green Hellebore). Denizen. English type. Range 1-2.

I. Wormhill, *West;* near Dove Dale, *Searle;* Lathkill Dale, *Whitelegg.*

II. Near Codnor Park, *Smith*; Bolsover, Woodhouse, *Waterfall.*

III. Drakelowe, *Harris.*

30. **Helleborus fœtidus,** L. (Stinking Hellebore). Denizen. English type. Range 2.

I. Cromford, *Whittaker;* Bakewell, *Smith.*

**Eranthis hyemalis,** Salisb. (Winter Aconite). Alien.

III. Stapenhill Vicarage Grounds. Garden escape. *Warbreck.*

31. **Aquilegia vulgaris,** L. (Columbine). Native. English type. Range 1-2.

I. Monsal Dale, *Whitelegg;* Cressbrook Dale and Bakewell, *Smith;* Miller's Dale; Ashwood Dale, *Green;* over 350 yards, *Rogers*; Matlock Bath, perhaps not indigenous, *B. and N., J. B.*

III. Drakelowe, *Harris;* Willington, *Hagger.* "Very rare and long extinct; once met with by Mr. Bloxam at Calke," *Purchas, J. B.*

*Delphinium Ajacis,* Reich. (Larkspur). Alien.

III. Repton, *Repton, F. and F.* Wants confirmation.

**Aconitum Napellus,** L. (Monkshood). Alien.

I. Wormhill, *West.*

## ORDER BERBERACEÆ.

35. **Berberis vulgaris,** L. (Barberry). Denizen. English type. Range 1.

III. Near the churches at Morley and at Boulton, *Whittaker;* occasionally near Burton-on-Trent, *Harris;* Mr. Bloxam's collection had a specimen but without locality, *Purchas, J. B.;* Shirley, *Linton.*

## ORDER NYMPHÆACEÆ.

36. **Nymphæa alba,** L. (White Water-Lily). Native. British type. Range 1-2.

I. Ambergate, *Arnold Lees;* Wigwell, near Wirksworth, *Milnes.*

III. Calke Park, *Hagger;* Weston-upon-Trent, *Atkinson.*

37. **Nymphæa lutea,** Smith. (Common Yellow Water-Lily). Native. British type. Range 1-2.

I. Chatsworth, 200 yards, *Baker, J. B.*

II. Renishaw Canal, *Waterfall.*

III. Old Trent, Repton, *Hagger;* Swarkestone Bridge! R. Trent, Burton-on-Trent, *Harris.* Abounding with the preceding in the ponds in Calke Park, where they have, no doubt, been originally planted, *Purchas, J. B.;* Shirley, *Linton;* Foremark, *Hassé.*

## PAPAVERACEÆ.

40. **Papaver Argemone,** L. (Long Rough-headed Poppy). Colonist. British type. Range 1, Cultivated Fields.

III. Morley, *Whittaker;* Repton, *Playne;* Linton and Cauldwell, *Harris;* fields behind Copse Hill, near Osmaston-by-Ashbourne, *Smith MSS.*; Tickenhall Fields, rare, *Purchas, J. B.*

41. **Papaver dubium,** L. (Scarlet Poppy). Colonist. British type. Range 1-2. Cultivated fields.

Var. **Lamottei,** Bor.

I. Baslow, *Bailey;* Monsal Dale, 260 yards; Matlock, *B. and N., J. B.*

II. About Chesterfield, *Waterfall.*

III. Duffield, *Bland;* Linton and Cauldwell, *Harris*; Repton! Tickenhall Fields, rare, *Purchas, J. B.*; Shirley, *Linton*; Stanhope Arms Sandpit, Ockbrook, *Hassé.*

Var. **Lecoqii,** Lamot.

I. Matlock, *B. and N., J. B.*

42. **Papaver Rhœas,** L. (Common Red or Crimson Poppy). Colonist. British type. Range I.

I. Whatstandwell, only seen once, *B. and N., J. B.*

II. About Chesterfield, *Waterfall.*

III. Linton and Cauldwell, *Harris*; about Derby! cornfields, near Calke, *Purchas, J. B.*

**Papaver somniferum,** L. (White or Opium Poppy). Alien.

I. Near Bakewell, a garden escape, *West.*

Var. **hortense,** Hussenot.

I. Quarry refuse, near Woodseats, Cromford, *Bailey.*

**Meconopsis cambrica,** Vig. (Yellow Welsh Poppy). Alien.

I. One Ash Grange, Youlgreave, the remains of former cultivation!

45. **Chelidonium majus,** L. (Greater Celandine). Denizen. English type. Range 1.

I. Over Haddon, *Bailey*; Cromford, *B. and N., J. B.;* Matlock Bath!

II. About Chesterfield, *Waterfall.*

III. Morley, *Whittaker;* common about Burton-on-Trent, *Harris;* Stenson, near Derby! Milton and Ingleby, *Hagger;* Calke Village, doubtless introduced, *Purchas, J. B.*

## ORDER FUMARIACEÆ.

48. **Corydalis claviculata,** D. (Climbing or White Fumitory). Native. British type. Range 1.

I. Ambergate, *Harris;* Birchover, *Purchas, J. B.*

III. Morley Moor! Shirley Wood, by brook, *Smith MSS.;* Horsley Castle Wood, *Hassé.*

**Corydalis lutea,** D. (Yellow Fumitory). Alien. An escape from gardens.

I. Wormhill, *West*; Crich, *Whitelegg*; near Youlgreave, *Green*; Matlock Bath! Matlock Bridge Station!

50. **Fumaria capreolata,** L. (Ramping Fumitory). Colonist. British type. Range 1.

Sub. sp. **pallidiflora,** Jord.

III. Breadsall, *Whittaker*; Repton, *Burkill.*

51. **Fumaria officinalis,** L. (Common Fumitory). Colonist. British type. Range 1-2.

I. Matlock, up to 250 yards, *B. and N., J. B.*; Haddon, *Baker, J. B.*

II. About Chesterfield, *Waterfall.*

III. Common about Derby! Cultivated ground at Calke, *Purchas, J. B.*; Shirley, *Linton.*

## ORDER CRUCIFERÆ.

57. **Coronopus didyma,** Sm. (Lesser Wart Cress). Colonist. Atlantic type. Range 1.

III. Garden weed at Ockbrook, *Smith MSS.*

58. **Coronopus Ruellii,** Gaertn. (Common Wart-Cress). Native. English type. Range 1.

III. Ockbrook, *Smith;* Burton-on-Trent; Stapenhill, *Harris;* Calke, *Bloxam!*

60. **Thlaspi arvense,** L. (Penny Cress). Colonist. British type. Range 1.

III. Corn fields, Morley, *Whittaker.*

62. **Thlaspi alpestre,** L. (Perfoliate Shepherd's Purse, or Small Thorow Cress). Native. Highland type. Range 2.

I. Matlock, *Smith.*

Var. **virens**, Jord.

I. Youlgreave, *Augustin Ley; B. L. Record Club Report, 1874;* High Tor, Matlock Bath, 150-250 yards, *B. and N., J. B.*; Heights of Abraham, Matlock Bath, *Harris;* Bonsall and Cromford, *Rowland;* Wirksworth, *Whitelegg;* Via Gellia!

63. **Capsella Bursa-pastoris,** Gaertn. (Common Shepherd's Purse). Native. British type. Range 1-3.

Ascends to 450 yards, *Baker, J. B.* Very common throughout the county!

64. **Hutchinsia petræa.** Br. (Rock Hutchinsia). Native. Intermediate type. Range 1-2.

I. Miller's Dale, *Whitelegg;* Chee Dale, 300 yards, *West;* Dove Dale, *Harris;* Lovers' Leap, Buxton, *Green;* Monsal Dale!

65. **Teesdalia nudicaulis,** R. Br. (Naked-stalked Teesdalia). Native. British type. Range 1.

II. About Markland Grips, near Clown, *Waterfall.*

66. **Iberis amara,** L. (Bitter Candytuft). Colonist. Germanic type. Range 2.

I. Railway embankment, Monsal Dale, *Bailey;* probably introduced!

70. **Lepidium campestre,** L. (Field Pepperwort). Native. British type. Range 1.

III. Cauldwell, *Harris;* Calke, *Bloxam!* Ockbrook, Dale, and Stanton, *Hassé.*

*Lepidium ruderale, L. Repton, F. and F.* Wants confirmation.

72. **Cochlearia officinalis,** L. (Common Scurvy Grass). Native. British type. Range 1-3.

Var. **alpina,** Wats.

I. Wirksworth, *Harris;* the Winnatts and Peveril Castle, Castleton, 300-400 yards, a form between *littoralis* and *alpina, Baker, J. B.;* between Peak Forest and Castleton, *West.*

**Armoracia rusticana,** Baumg. (Horse Radish). Alien.

I. Via Gellia, an occasional stray from cottage gardens, *B. and N., J. B.*

77. **Draba incana,** L. (Twisted-podded Whitlow Grass). Native. Highland type. Range 2.

I. Miller's Dale, *Bailey;* Monk's Dale, 350 yards, *West;* Lovers' Leap, and near Harper's Hill, Buxton, *Green;* Monsal Dale! First discovered at the latter place by Mr. R. Garner, F.L.S.

78. **Draba muralis**, L. (Speedwell-leaved Whitlow Grass). Native. Intermediate type. Range 2.

I. Chee Dale, 300 yards, and Miller's Dale, *West;* near Lathkill Dale, *Whitelegg;* Hartington, *Purchas;* Matlock Bath, *Rowland;* Ashwood Dale, and near Haddon Hall, *Green;* Via Gellia!

79. **Draba verna**, L. (Common Whitlow Grass). Native. British type. Range 1-2.

I. Walls and rocks; frequent.

II. Cresswell Crags and Markland Grips, near Clown, *Waterfall.*

III. Walls, Boulton, near Derby! Shacklecross, Dale, &c., *Hassé.*

Var. **brachycarpa**, Jordan.

I. Top of Raven's Dale, *Searle*; near Litton Mill, *Bailey*; Monsal Dale; Miller's Dale, &c., *J. W. Carr.*

**Alyssum incanum**, L. Alien.

III. Dunn's Hall, near Dale, *Hassé.*

*Alyssum calycinum*, L. Thringston, *Nat. Hist. Tutbury.*

*Camelina sativa*, Crantz. Alien. Heanor, *Howitt in N. Bot. Guide.*

84. **Cardamine amara**, L. (Bitter Ladies' Smock or Large-flowered Bitter Cress). Native. British type. Range 1.

I. Near Ashover, *Bailey*; near Bakewell, *Green*; Via Gellia! About Dove Dale, *Purchas, J. B.*

III. Burton-on-Trent, *Harris*; Milton, *Hagger*; Breadsall! Kedleston! About the margins of ponds in Calke Park, and on the banks of Springwood Brook, *Purchas, J. B.*; Banks of R. Derwent, Borrowash, *Hassé*; Shirley, *Linton.*

85. **Cardamine pratensis**, L. (Meadow Ladies' Smock or Cuckoo Flower). Native. British type. Range 1-3.

Common in damp, grassy places, ascending to 500 yards, *Baker, J. B.*

86. **Cardamine hirsuta**, L. (Hairy Ladies' Smock or Bitter Cress). Native. British type. Range 1-2.

I. Frequent up to 350 yards, *Baker, J. B.*

II., III. Common!

86B. **Cardamine sylvatica**, Link. (Wood Ladies' Smock or Bitter Cress). Native. British type. Range 1-2.

I. Milltown, Ashover, *Bailey*; Stirrup Woods, Charlesworth, *Whitelegg*; Miller's Dale; Chapel-en-le-Frith, up to 350 yards, *Rogers*; Matlock, *B. and N., J. B.*

II. Near Renishaw, Chesterfield, *Waterfall.*

III. Burton-on-Trent, *Harris*; Shirley, *Linton*; Ockbrook, *Smith MSS.*; Mackworth, Derby!

87. **Cardamine impatiens,** L. (Impatient Ladies' Smock or Bitter Cress). Native. Intermediate type. Range 1-2.

I. Chee Dale, 300 yards, *West*; Lathkill Dale, *Bailey*; Matlock Bath, *Smith*; Cromford Dale, *B. and N., J. B.*; Via Gellia! Dove Dale!

III. Bretby, *Harris*; Breadsall, *Whittaker.*

88. **Arabis thaliana,** L. (Common Wall Cress). Native. British type. Range 1-2.

I. Gritstone Walls at Matlock Bridge, *B. and N., J. B.*; near Lovers' Leap, Buxton, 350 yards, *Rogers.*

II. Sandiacre, *Hassé.*

III. Common about Derby! Dry banks on Millstone Grit at Melbourne, *Purchas, J. B.*; Spondon, *Hassé.*

92. **Arabis hirsuta,** R. Br. (Hairy Rock Cress). Native. British type. Range 1-2.

I. Common on limestone rocks up to 400 yards, *Baker, J. B.*

94. **Turritis glabra,** L. (Long-podded or Smooth Tower Mustard). Native. English type. Range 1.

III. Drakelowe, *Harris*; near Shirley Vicarage, *Mr. J. Fitzherbert in Smith MSS.*; banks between Tickenhall and Hartshorne, and between Tickenhall and Milton. These stations, taken in connection with the Rev. C. C. Babington's of "Bretby," N. B. G. (Sup.), show that this plant is thinly scattered over an area of several square miles of the light sandy soils of the New Red Sandstone. *Purchas, J. B.*

95. **Barbarea vulgaris,** R. Br. (Yellow Rocket). Native. British type. Range 1-2.

I. Miller's Dale; Monsal Dale; Lovers' Walk, Matlock Bath, ascending to 250 yards, *Baker, J. B.*

III. Common in watery places about Derby! Side of pond in Gill's Park, Tickenhall, *Purchas, J. B.;* Shirley, *Linton;* Borrowash, *Hassé.*

**Barbarea præcox,** R. Br. (Winter Cress). Alien.

III. Winshill, *Harris;* Calke, *Nat. Hist. Tutbury.*

98. **Nasturtium officinale,** R. Br. (Water Cress). Native. British type. Range 1-2-3.

I. Abundant up to 350 yards, *Baker, J. B.;* Wormhill, 400 yards, *West.*

II. About Chesterfield, *Waterfall.*

III. Near Derby! About Calke Abbey, *Purchas, J. B.*; Shirley, *Linton*; Ockbrook, *Hassé.*

99. **Nasturtium terrestre,** R. Br. (Rocket). Native. British type. Range 1.

I. Near Buxton, 350 yards, *Baker, J. B.*; near the stream in Cromford Dale, *B. and N., J. B.*; Via Gellia, *Bailey.*

III. Newton Solney, *Harris. Bloxam!* station not given, *Purchas, J. B.*; Borrowash, *Hassé.*

100. **Nasturtium sylvestre,** R. Br. Native. English type. Range 1.

III. Old bed of R. Derwent, Derby! Breadsall, *Whittaker.*

101. **Nasturtium amphibium,** R. Br. (Great Yellow Cress). Native. English type. Range 1.

I. Cromford Canal. Whatstandwell, *B. and N., J. B.*

II. R. Trent, Stapenhill, *Harris*; Willington; old bed of R. Derwent, Derby! Sides of ponds at Calke, *Purchas, J. B.*; Thrumpton; in the R. Trent, Swarkestone, *Hassé.*

102. **Sisymbrium officinale,** Scop. (Common Hedge-Mustard). Native. British type. Range 1-2.

Ascends up to 300 yards, *B. and N., J. B.* Common throughout the county!

*Sisymbrium Irio*, L. Wingfield Manor, *Pilkington's History.*

104. **Sisymbrium Sophia,** L. Casual. British type. Range 1.

III. Has occurred as a garden weed at Tickenhall, *Purchas, J. B.*

106. **Erysimum cheiranthoides,** L. (Treacle-Mustard). Colonist. English type. Range 1.

III. Banks of the R. Derwent at Draycott, *Hassé.*

107. **Erysimum Alliaria,** L. (Garlic Treacle-Mustard, or Jack-by-the-Hedge). Native. British type. Range 1-2.

Common throughout the county! Ascends to 350 yards, *Rogers.*

**Cheiranthus Cheiri,** L. (Wallflower). Alien. Rare.

I. Old quarries at Crich; Haddon Hall; Wingfield Manor, *Milnes.*

III. Repton, *Repton, F. and F.*

**Hesperis matronalis,** L. (Scentless Dame's Violet). Alien.

I. Ashwood Dale, *Green*; Chee Dale! Miller's Dale, *Whitelegg*; near Ashford-in-the-Water, *Whittaker*; Wormhill, *West, Jun.*

114. **Brassica campestris,** L. Colonist? English type. Range 1.

III. Borrowash, *Hassé.*

**Brassica rapa,** L. (Wild Turnip). Casual.

Common at Buxton and Matlock, 450 yards, *Baker, J. B.*

Var. **sylvestris,** H. C. Watson.

I. Dove Dale!

III. Morley!

116. **Sinapis arvensis,** L. (Charlock or Wild Mustard). Colonist. British type. Range 1-2-3.

Common throughout the county! Ascends up to 450 yards, *Baker, J. B.*

117. **Sinapis alba,** L. (White Mustard). Colonist. English type. Range 1.

I. Occasional at Matlock, *B. and N., J. B.*

III. Ockbrook, *Smith MSS.*

118. **Sinapis nigra,** L. (Black or Common Mustard). Colonist. English type. Range 1.

I. R. Derwent, Matlock Bridge, *B. and N., J. B.*

III. Norbury; Copse Hill, near Osmaston-by-Ashbourne, *Smith MSS.*

*Sinapis muralis,* Br. Stapenhill, *Nat. Hist. Tutbury.*

123. **Raphanus Raphanistrum,** L. (Wild Radish or Jointed Charlock). Colonist. British type. Range 1.

I. Charlesworth, *Whitelegg*; rare about Matlock; only the form with bright yellow flowers like those of a Sinapis seen, *B. and N., J. B.*

II. About Chesterfield, *Waterfall.*

III. Stapenhill, *Harris*; Repton, *Hagger.*

## ORDER RESEDACEÆ.

125. **Reseda Luteola,** L. (Dyer's Weed, Yellow-weed, or Weld). Native. British type. Range 1.

I. Matlock Bath, *Hannan.*

II. About Chesterfield, *Waterfall.*

III. Bretby, *Harris*; Tickenhall Lime Quarry, *Hagger*; Old Quarry, Stanton-by-Bridge! Near Aston, and Breadsall, *Hassé.*

126. **Reseda lutea,** L. (Wild Mignonette or Base Rocket). Denizen. English type. Range 1.

III. Banks of R. Derwent, near Stoney Cross, *Hassé.*

## ORDER CISTACEÆ.

128. **Helianthemum vulgare,** Gaertn. (Rock Rose). Native. British type. Range 1-2-3.

Ascends up to 400 yards, *Baker, J. B.* Common on the limestone cliffs!

## ORDER VIOLACEÆ.

132. **Viola palustris,** L. (Marsh Violet). Native. British type. Range 1-3.

I. Axe Edge, *West*; near the Reservoir, Buxton, *Rogers*; near Coombes Moss! Burbage Edge! Tansley Moor, *B. and N.*, *J. B.* "Moors round Cat and Fiddle Inn," *Baker*, *J. B.*; not in Derbyshire!

III. Allestrey Park, near Derby; Horsley Car, *Whittaker*; Repton Rocks, *Playne*; Shirley Wood, *Smith MSS.*; sides of Springwood Brook, Calke; also bog near Foremark Park, *Bloxam!*

133. **Viola odorata,** L. (Sweet Violet). Native. English type. Range 1.

I. Once seen at the top of Bonsall, near a farm house, *B. and N.*, *J. B.*; Miller's Dale, but only near houses, *Rogers.*

II. About Chesterfield, *Waterfall.*

III. Morley, *Whittaker*; about Burton-on-Trent, *Harris*; Osmaston-by-Ashbourne, *Smith MSS.*; Breadsall Moor, *Hassé.*

Var. **alba,** Besser.

III. Morley, near Derby, *Whittaker*; Repton, *Hagger*; about Burton-on-Trent, *Harris.*

134. **Viola hirta,** L. (Hairy Violet). Native. English type. Range 1-2.

I. Cromford, *Harris*; Chee Dale, *Green*; Ashover, *Bailey*; Miller's Dale; Taddington Wood; Dove Dale; Via Gellia; 200-250 yards, *B. and N.*, *J. B.*; Monsal Dale!

II. Creswell Crags, *Waterfall.*

III. Rare on hedge banks at Ockbrook, *Smith MSS.* Tickenhall. This and *Poterium Sanguisorba*, and *Reseda Luteola*, are almost the only limestone-loving plants which occur at Tickenhall, and these have by no means an exclusive preference for limestone. *Purchas*, *J. B.*

135. **Viola sylvatica,** Fries. (Dog Violet). Native. British type. Range 1-2-3.

I. Common up to 500 yards, *Baker*, *J. B.*

II. About Chesterfield, *Waterfall.*

III. Ockbrook! Shirley, *Linton*; Common at Calke, *Purchas*, *J. B.*

Var. **Reichenbachiana,** Bor. First record for the county. Plentifully at Fenny Bentley, extending for perhaps half a mile, and then giving place to **R. Riviniana,** *Reichb.*, *Purchas*, *J. B.*; Shirley, *Linton.*

136. **Viola tricolor,** L. (Field Pansy or Heart's-ease). Native. British type. Range 1-2.

I. Cultivated ground, up to 250 yards, near Matlock, *B. and N.*, *J. B.*

II. About Chesterfield, *Waterfall.*

III. Common!

136.* **Viola arvensis,** Murr. Native. British type. Range 1-2.

I. Garden weed at Burbage, near Buxton, *Baker*, *J. B.*; with the former at Matlock, *B. and N.*, *J. B.*

II. About Chesterfield, *Waterfall.*

III. Cultivated ground at Calke, *Purchas*, *J. B.*; Shirley, *Linton.*

137. **Viola lutea,** Huds. (Yellow Mountain Pansy). Native. Scottish type. Range 1-3.

I. Wardlow Hay Cop; Appletree Knoll, Ashover, *Bailey*; Mam Tor, 450-500 yards; Bakewell and Peak Forest, *West*; N.-E. slope of Corbar Hill, Buxton, *Rogers*; Matlock Bath, *Smith*; Wirksworth, *Harris*; Chelmorton Low and Via Gellia, Matlock Bath! Between Bradbourne and Winster, *Smith MSS.*; Eyam, *Carr*; *Howarth*, *com^d.*

Var. **amœna,** Syme.

I. Miller's Dale, *Whitelegg*; Wirksworth, *Harris*; Corbar, near Buxton, *Green.*

## ORDER DROSERACEÆ.

138. **Drosera rotundifolia,** L. (Round-leaved Sundew). Native. British type. Range 1-3.

I. East Moor, *Scrimshaw.*

III. Hulland, *Mr. J. Fitzherbert in Smith MSS.*, "Bog at Foremark Park," *Bloxam*! "by which doubtless is intended the bog at Repton Rocks, which is not far from the farm called 'Foremark Park.' The Drosera does not seem to have been found there of late years." *Purchas*, *J. B.*

## ORDER POLYGALACEÆ.

141. **Polygala vulgaris,** L. (Milkwort). Native. British type. Range 1-2.

I. Ascends up to 350 yards in Dove Dale, *B. and N.*, *J. B.*; Ashover, *Bailey.*

III. Common about Calke, *Purchas*, *J. B.*

**P. oxyptera,** Reichb.

I. Miller's Dale, *Whitelegg*; Axe Edge; top of Corbar Hill, Buxton, 400 yards. To this segregate belongs most of the Polygala in the Limestone Dales about Buxton and on Axe Edge, though some of it, I think, and certainly all that

I saw near Chapel-en-le-Frith, must be named *P. depressa*, Wender. I saw nothing that I should name typical *vulgaris*. *Rogers*.

141.* **P. depressa,** Wender.

I. Near the Reservoir, Buxton, *Green*; Chapel-en-le-Frith, *Rogers*; between Litton Mill and Cressbrook Dale! grassy places up to 500 yards, *Baker*, *J. B.*; Via Gellia, *Waterfall*; near Miller's Dale!

## ORDER CARYOPHYLLACEÆ.

146. **Dianthus Armeria,** L. (Deptford Pink). Native. English type. Range 1.

III. Ednaston, *Mr. F. B. Wright*, *Smith MSS.*

150. **Dianthus deltoides,** L. (Maiden Pink). Native. English type. Range 1.

I. Quarry near Newhaven, *Bailey*; between Cromford and Kniveton; Chatsworth and Bakewell, *Rev. S. Hey*, *Smith MSS.*

*Dianthus Caryophyllus*, L. Edensor, *Pilkington's History*.

151. **Saponaria officinalis,** L. (Soapwort). Denizen. English type. Range 1.

I. Near the Vicarage, Ashbourne, *Smith MSS.*

152. **Silene inflata,** Smith. (Bladder Campion or Catchfly). Native. British type. Range 1-2.

I. Frequent in the dales! Ascends to 300 yards, *Rogers*.

II. About Chesterfield, *Waterfall*.

III. Between Repton and Hartshorn, &c., *Hagger*; Tickenhall, *Bloxam!*

Var. **puberula,** Syme.

I. Matlock Bath, *Whitelegg*; Monsal Dale, *Bailey*; ascends up to 200 yards, *Baker*, *J. B.*

156. **Silene nutans,** L. (Nottingham Catchfly). Native. English type. Range 1-2.

I. Monsal Dale, *Bailey*; Miller's Dale, 300 yards, *Baker*, *J. B.*; Bakewell, *Harris*; Dove Dale! Head of Monk's Dale, 350 yards, which reaches the upper limit of the mid-agrarian zone, *West*; Middleton Dale, *Carr*; *Howarth*, *com*[d].

157. **Silene noctiflora,** L. (Sweet-flowering Catchfly). Colonist. English type. Range 1.

III. Gresley, Linton, and Cauldwell, *Harris*; Bretby Mill, *Hagger*; near the Lodge, Osmaston-by-Ashbourne; Copse Hill, *Smith MSS.*; White Lees, Tickenhall, *Purchas*, *J. B.*

160. **Lychnis Flos-cuculi,** L. (Ragged Robin). Native. British type. Range 1-2-3.

Swamps up to 500 yards, *Baker, J. B.* Common throughout the county!

163. **Lychnis diurna,** Sibth. (Red Campion). Native. British type. Range 1-2-3.

Ascends up to 400 yards at Peveril Castle, Castleton, *Baker, J. B.* Common throughout the county!

164. **Lychnis vespertina,** Sibth. (White Campion). Native. British type. Range 1-2.

Common throughout the county!

165. **Lychnis Githago,** Lam. (Corn Lychnis, or Corn Cockle). Colonist. British type. Range 1-2-3.

I. Corn fields up to 400 yards, Buxton, *Baker, J. B.*; between Bakewell and Hathersage, *Milnes.*

II. About Chesterfield, *Waterfall.*

III. Morley, *Whittaker*; Repton, *Hagger*; Ockbrook, *Smith*; near Burton-on-Trent, *Harris*; Calke, *Purchas, J. B.*

166. **Moenchia erecta,** Smith. (Upright Pearlwort). Native. English type. Range 1.

"Topographical Botany." *Howitt Cat.* "Not seen during the last twenty years at Repton," *Hagger.* Recorded in *Repton F. and F.*

167. **Sagina apetala,** L. (Annual Small-flowered Pearlwort). Native. English type. Range 1-2-3.

I. Dove Dale, *Purchas*; the "Slopes" at Buxton, *Rogers*; Haddon Hall; between Buxton and Burbage, 350 yards, *Baker, J. B.*; Wall at Whatstandwell Railway Station, *B. and N., J. B.*; Cromford, *Bailey.*

III. Tickenhall, *Purchas*; near Knowle Hills, *Hagger*; Repton!

167.* **Sagina ciliata,** Fries. Native. English type. Range 1-2-3.

I. Dove Dale, *Purchas*; waste ground near Buxton Public Gardens, *Rogers*; Whatstandwell, on walls, *Whitelegg.*

168. **Sagina procumbens,** L. (Procumbent Pearlwort). Native. British type. Range 1-2-3.

Common throughout the county! Ascends up 500 yards, *Baker, J. B.*

171. **Sagina nodosa,** E. Meyer. (Knotted Spurrey). Native. British type. Range 1-2-3.

I. Mellor, *Whitelegg*; Miller's Dale, *Rogers*; above Burbage, up to 500 yards, *Baker, J. B.*; about Buxton on the roadsides!

III. Repton Rocks, *Harris.*

172. **Spergula arvensis,** L. (Corn Spurrey). Native. British type. Range 1-2-3.

I. Buxton, *Rogers.*

II. About Chesterfield, *Waterfall.*

III. Cornfields about Derby! Shirley, *Linton*; Spondon, *Hassé.*

175. **Spergularia rubra,** Auct. (Red Sandwort). Native. British type. Range 1-2.

I. Baslow, *Bailey*; near the Church, Matlock Bank, 250 yards, *B. and N., J. B.*

III. Repton, *Playne*; Foremark Lane, *Harris*; near Lodge, Osmaston-by-Ashbourne; Shirley Bridge; Ockbrook, *Smith MSS.*; on walls, but very scarce, Milton, near Foremark, *Purchas, J. B.*; Melbourne, Stanton Moor, and near Dale, *Hassé.*

178. **Arenaria serpyllifolia,** L. (Thyme-leaved Sandwort). Native. British type. Range 1-2-3.

I. Common on Limestone up to 400 yards, *Baker, J. B.*

III. Common on walls near Derby! Walls, &c., Calke, *Purchas, J. B.*

Var. **leptoclados,** Guss.

I. Frequent up to 300 yards about Matlock, *B. and N., J. B.*; Valley of the Wye, between Miller's Dale and Monsal Dale, in two or three places, *Rogers.*

179. **Arenaria tenuifolia,** L. (Fine-leaved Sandwort). Native. English type. Range 2.

I. Miller's Dale, *Whittaker, com^d.* *C. Bailey:* This plant used to occur on one of the rocky banks near the pathside in Dove Dale. In the summer of 1879, however, on looking for it as usual when I passed, I found that every one of the plants, which I had noticed not long before, had been taken away by some ruthless and inconsiderate plant collector. There is another station at Brassington, *Purchas, J. B.*; near Heights of Abraham, Matlock Bath, *Waterfall.*

180. **Arenaria verna,** L. (Vernal Sandwort). Native. Scottish type. Range 1-2-3.

I. Peak Forest; Old Moor, 450 yards, *West*; High Cliff, Miller's Dale; Milltown, near Ashover; Youlgreave, *Bailey*; Cromford and Matlock Bath, *Harris*; walls of Peveril Castle, 400 yards; *Baker, J. B.*; Matlock High Tor; Masson; Bonsall, *B. and N., J. B.*; Lathkill Dale, *Rowland*; the Winnatts, and Via Gellia! Middleton Dale, *Carr*; *Howarth, com^d.*

182. **Arenaria trinervis,** L. (Plantain-leaved Chickweed or Sandwort). Native. British type. Range 1-2.

I. Miller's Dale; between Matlock Bath and Bonsall! Chapel-en-le-Frith, up to 350 yards, Buxton, *Rogers.*

III. Common about Derby!

184. **Stellaria nemorum,** L. (Wood Stitchwort). Native. Scottish type. Range 1-2.

I. Wood at Mellor, *Wild*; Stirrup Wood, Charlesworth, *Whitehead.*

II. River side, near Eckington, *Waterfall.*

185. **Stellaria media,** L. (Common Chickweed). Native. British type. Range 1-2-3.

Common throughout the county! Ascends up to 450 yards, *Baker, J. B.*

Var. **neglecta,** Weihe.

I. Matlock Bath, *R. Roberts, com^d.* J. Whitehead.

III. Close to Brailsford Church, *Linton.*

185.* **Stellaria umbrosa,** Opitz.

I. Hedge Banks, Fenny Bentley, and near the Railway Station, Ashbourne, *Purchas, J. B.*

186. **Stellaria Holostea,** L. (Greater Stitchwort). Native. British type. Range 1.

Common throughout the county! Ascends up to 350 yards near Buxton, *Rogers.*

187. **Stellaria glauca,** With. (Glaucous Marsh Stitchwort). Native. English type. Range 1.

III. Near Bradley Pond, *Mr. F. B. Wright in Smith MSS.* "In the meadows below Repton, *Bloxam!* The specimen is very poor and unsatisfactory, but it seems rightly named, and is placed side by side with an undoubted one from Grotby, Leicestershire, so that Mr. Bloxam evidently knew the species. It is remarkable, however, that no other botanist should have met with it near Repton," *Purchas, J. B.* Near Shirley, *Linton.*

188. **Stellaria graminea,** L. (Lesser Stitchwort). Native. British type. Range 1-2-3.

Common throughout the county! Ascends up to 500 yards, *Baker, J. B.*

189. **Stellaria uliginosa,** Murray. (Bog Stitchwort). Native. British type. Range 1-2-3.

Common in wet places! Ascends up to 550 yards on Axe Edge, *Baker, J. B.*

191. **Cerastium aquaticum,** L. (Water Chickweed). Native. English type. Range 1.

II. Near Eckington, not common, *Waterfall.*

III. Newton Solney, *Harris*; Chaddesden and Osmaston-by-Derby!

192. **Cerastium glomeratum,** Thuill. (Broad-leaved Mouse-ear Chickweed). Native. British type. Range 1-2-3.

Common throughout the county! Ascends up to 450 yards in Goyt's Clough, *Baker, J. B.*

193. **Cerastium triviale,** Link. (Narrow-leaved Mouse-ear Chickweed). Native. British type. Range 1-2-3.

Common throughout the county! Ascends up to 500 yards, *Baker, J. B.*

194. **Cerastium semidecandrum,** L. (Little Mouse-ear Chickweed). Native. British type. Range 1-2.

I. Monsal Dale, *Whitelegg*; Matlock Bath, *West*; Dove Dale, *Smith MSS.*

III. Near Burton-on-Trent, *Harris*; near Melbourne? *Purchas, J. B.*

195. **Cerastium arvense,** L. (Field Chickweed). Native. English type. Range 1.

I. Near Long Eaton, *Atkinson*; Breadsall Moor, *Whittaker.*

II. Between Clowne and Cresswell, *Waterfall.*

**Claytonia alsinoides,** Sims. Alien.

I. Near Bakewell, *West*; near Rowsley, *Atkinson.*

## ORDER LINACEÆ.

**Linum usitatissimum,** L. (Common Flax). Alien.

A few plants by the roadside, Matlock, *B. and N., J. B.*; Corn Fields, Wormhill, *West.*

202. **Linum catharticum,** L. (Purging Flax). Native. British type. Range 1-2-3.

Common on heaths throughout the county! Ascends up to 500 yards, *Baker, J. B.*

*Linum angustifolium,* Huds. *Repton, F. and F.* Wants confirmation.

## ORDER MALVACEÆ.

204. **Malva moschata,** L. (Musk Mallow). Native. British type. Range 1-2.

I. Hassop, *Bailey*; Matlock, 200 yards, *West*; Lathkill Dale, *Rowland*; Chatsworth, *Scrimshaw*; Via Gellia; Cromford Canal, Whatstandwell, *B. and N., J. B.*; Dove Dale!

II. Near Renishaw, Chesterfield, *Waterfall.*

III. Foremark Fields, Bretby, *Hagger*; Morley, *Whittaker*; Duffield! Dimminsdale, Calke; Stanton-by-Bridge, *Purchas, J. B.*; Shirley, *Linton*; Spondon; Stanton Moor; Breadsall, *Hassé.*

205. **Malva sylvestris,** L. (Common Mallow). Denizen. British type. Range 1-2.

I. Crich, *Whitelegg*; Matlock Bath, *Rowland*; Monsal Dale, 250 yards; Cromford, near houses, perhaps introduced, *B. and N., J. B.*; summit of Thorpe Cloud, Dove Dale!

III. Stapenhill, *Harris*; Swarkestone! Repton! Near Calke, *Bloxam*! Ockbrook, *Hassé.*

206. **Malva rotundifolia,** L. (Dwarf Mallow). Denizen. British type. Range 1-2.

I. Miller's Dale, *Whitelegy*; Matlock Bath, *Rowland*; Cromford, perhaps introduced, *B. and N., J. B.*

III. Willington, *Hagger*; near Calke, *Bloxam*! Chaddesden, *Hassé.*

## ORDER TILIACEÆ.

211. **Tilia parvifolia,** Ehrh. (Lime, or Linden Tree). Denizen. English type. Range 1.

III. Calke Park, probably planted, *Purchas, J. B.*

213. **Tilia grandifolia,** Ehrh. (Large-leaved Lime). Denizen. English type, Range 1-2.

I. Roadside at Whatstandwell, and by the R. Derwent at Matlock Bath, *B. and N., J. B.*

III. Dale Abbey Woods, *Smith MSS.*; Calke Park, planted, *Purchas, J. B.*

**Tilia intermedia,** D. C. Alien.

I. Matlock Tor, *B. and N., J. B.*; Chelmorton, probably planted!

III. Repton Churchyard, planted! Near Shirley Wood, *Linton.*

There are one or two scrubby bushes of either *T. grandifolia* or *T. intermedia*—it would not be safe to say which—at an elevation of over 1,000 feet, on one of the Cliffs in Dove Dale. It is difficult for them to be other than wild, *Purchas, J. B.*

## ORDER HYPERICACEÆ.

*Hypericum Androsæmum,* L. Matlock Bath. *Gem.*

215. **Hypericum perforatum,** L. (St. John's Wort). Native. British type. Range 1-2.

1. Buxton, *Bailey*; Matlock Bath, *Hannan*; common in imestone dales up to 350 yards, *Baker, J. B.*; Dove Dale!

II. About Chesterfield, *Waterfall.*

III. Brailsford, *Smith MSS.*; about Derby! About Calke, *Purchas, J. B.*; Shirley, *Linton.*

216. **Hypericum dubium,** Leers. Native English type. Range 1-2. "Topographical Botany."

217. **Hypericum quadrangulum,** L. (Square-stalked St. John's Wort). Native. British type. Range 1-2.

I. Monsal Dale, 200 yards; Via Gellia, *Baker, J. B.*; Chapel-en-le-Frith; Wye Valley, below Miller's Dale, *Rogers*; Blackwell Dale! Dove Dale!

II. Wood near Renishaw, Chesterfield, *Waterfall.*

III. Repton! About Calke, *Purchas, J. B.*; Shirley, *Linton.*

218. **Hypericum humifusum,** L. (Trailing St. John's Wort). Native. British type. Range 1-2.

I. Ashford-in-the-Water, *Bailey*; Edensor, *Wild*; Hadfield and Glossop, *Hannan.*

III. Burton-on-Trent, *Harris*; Morley, *Whittaker*; Copse Hill, Osmaston-by-Ashbourne; about Dale Church, *Hey in Smith MSS.*; about Calke, *Purchas, J. B.*; Shirley, *Linton.*

220. **Hypericum pulchrum,** L. (Slender St. John's Wort). Native. British type. Range 1-2-3.

I. Mellor, *Hannan;* Gritstone quarry, over Matlock Bank, *B. and N., J. B.*; Goyt's Clough, 450 yards, *Baker, J. B.*; Dove Dale! Miller's Dale!

III. Shirley, *Linton*; Stanton, Dale; Spondon, *Hassé.* About Burton-on-Trent, *Harris*; about Calke, *Purchas, J. B.*

221. **Hypericum hirsutum,** L. (Hairy St. John's Wort). Native. British type. Range 1-2.

I. Common in all the limestone dales! Ascends up to 350 yards, *Baker.*

III. Spondon, *Hassé*; between Ashbourne and Dove Dale, *Linton.*

222. **Hypericum montanum,** L. (Mountain St. John's Wort). Native. English type. Range 1-2.

I. With the preceding, and at the same elevation! Crich Quarry, *Smith MSS.*

III. Winshill, *Harris.*

223. **Hypericum elodes,** L. (Marsh St. John's Wort). Native. Atlantic type. Range 1-2.

I. Tansley Moor, *Whittaker*; specn. in *Mr. H. C. Watson's Herbm.*

**Hypericum calycinum,** L. (Large-flowered St. John's Wort). Alien. Introduced.

I. Lovers' Walk, Matlock Bath, *B. and N., J. B.*

III. Near Repton, *Repton F. and F.*

## ORDER ACERACEÆ.

225. **Acer campestre,** L. (Common Maple). Native. English type. Range 1-2.

I. Ashover, *Bailey*; Ashford Dale, *Whitelegg*; Miller's Dale, *Wild*; Dove Dale! Common in the limestone dales up to 350 yards, *Baker, J. B.*

II. About Chesterfield, *Waterfall.*

III. About Burton-on-Trent, *Harris*; about Derby! Woods, &c., Calke, *Purchas, J. B.*; Shirley, *Linton.*

**Acer Pseudo-platanus,** L. (Sycamore). Alien.

I. One of the commonest trees of the Buxton district up to 450 yards, and often self-sown, *Baker, J. B.* Common about Matlock in woods; Dove Dale, *B. and N., J. B.*

III. Common! Planted, *Purchas, J. B.*; Shirley, *Linton.*

## ORDER GERANIACEÆ.

228. **Erodium cicutarium,** L'Hérit. (Hemlock Stork's Bill). Native. British type. Range 1-2.

I. Dove Dale, *Rowland*; Thorpe Cloud, *Macefield.*

II. Cresswell Crags, *Waterfall.*

III. Foremark, *Harris*; Stanton-by-Bridge! Near Calke Abbey, *Bloxam!* "Not seen by me, but easily overlooked," *Purchas, J. B.*; Weston, *Hassé.*

*Erodium moschatum,* Sm. Alfreton. *Pilkington's History.*

**Geranium phœum,** L. (Dusky Crane's Bill). Alien.

I. Matlock Bath, *Rowland.*

III. Morley, near Derby, *Whittaker*; Calke, *Candler.*

230. **Geranium sylvaticum,** L. (Wood Crane's Bill). Native. Scottish type. Range 1-2.

"Topographical Botany." No authority given.

II. Near Belper, *Smith MSS.*; insufficient data!

231. **Geranium pratense,** L. (Great Crane's Bill). Native. British type. Range 1-2-3.

I. Common! Ascends up to 400 yards, *West.*

II. Common about Renishaw, Chesterfield, *Waterfall.*

III. Common about Derby! Shirley, *Linton*; Calke, *Purchas, J. B.*

232. **Geranium pyrenaicum,** L. (Mountain Crane's Bill). Denizen. English type. Range 1.

I. Hassop, *Bailey*.

II. Stapenhill, *Harris*; apparently wild near Copse Hill Garden, Osmaston-by-Ashbourne, *Smith MSS.*

*Geranium rotundifolium*, L. Repton, *Repton F. and F.* Wants confirmation!

234. **Geranium pusillum,** L. (Small-flowered Crane's Bill). Native. English type. Range 1.

III. Osmaston Park-by-Ashbourne, *Smith MSS.*; about Calke, *Purchas, J. B.*

235. **Geranium molle,** L. (Common Crane's Bill). Native. British type. Range 1-2.

Common throughout the county! Ascends to 400 yards over Castleton, *Baker, J. B.*

236. **Geranium dissectum.** L. (Cut-leaved Crane's Bill). Native. British type. Range 1-2.

I. Wye Valley up to Chee Tor, 250 yards, *Baker, J. B.*

III. Common!

237 **Geranium columbinum,** L. (Dove's-foot Crane's Bill). Native. English type. Range 2.

I. Miller's Dale, *Bailey*; Wormhill, *West*; Taddington Wood; Chee Dale, *Baker, J. B.*; Dove Dale!

238. **Geranium lucidum,** L. (Shining-leaved Crane's Bill). Native. British type. Range 1-2-3.

I. Common on limestone; ascends up to 350 yards, *Baker, J. B.*

III. Breadsall, *Whittaker*; Bretby, *Harris*; rocks at Anchor Church, near Foremark, *Bloxam*! Also doubtfully wild on the wall of a farm-house at Pistern Hill, *Purchas, J. B.*; Risley, *Hassé.*

239. **Geranium Robertianum,** L. (Herb Robert). Native. British type. Range 1-2.

Common throughout the county! Ascends up to 350 yards, *Baker, J. B.*

240. **Geranium sanguineum,** L. (Red Crane's Bill). Native. British type. Range 1-2.

I. Miller's Dale, *Harris*; Monk's Dale, *West*; Cressbrook Dale, *Whitelegg*; Monsal Dale, *Whittaker*; ascends to 300 yards, *Rogers.* I have seen one weakly root of this on a rock north of Hartington, *Purchas, J. B.*

## ORDER BALSAMINACEÆ.

242. **Impatiens Noli-me-tangere,** L. (Wild Balsam or Touch-me-not). Denizen. Local type. Range 1.
"Topographical Botany." *Howitt Cat.*

**Impatiens parviflora,** D. C. Casual.
I. Matlock Bath, *Searle*; a few plants in Cromford Dale, *B and N., J. B.*
III. A garden weed at Ockbrook, *Smith.*

## ORDER OXALIDACEÆ.

243. **Oxalis Acetosella,** L. (Wood Sorrel). Native. British type. Range 1-2-3.
Common in woods throughout the county. Ascends up to 450 yards, *Baker, J. B.*

## Division II. CALYCIFLORÆ.

## ORDER CELASTRACEÆ.

245. **Euonymus europæus,** L. (Spindle Tree). Native. English type. Range 1-2.
I. Miller's and Cressbrook Dales, *Whitelegg*; Wood near Lea, *Milnes*; Via Gellia and Matlock Tor, *B. and N., J. B.*; ascends up to 400 yards over Castleton, *Baker, J. B.*; Dove Dale in very small quantity, *Purchas, J. B.*
III. Winshill, *Harris*; hedges at Clifton, *Smith MSS.*; Shirley, *Linton.*

## ORDER RHAMNACEÆ.

246. **Rhamnus catharticus,** L. (Buckthorn). Native. English type. Range 1-2.
I. Monk's Dale and Matlock, *West*; Miller's Dale, *Bailey*; 300 yards, *Baker, J. B.*; Cressbrook Dale, *Whitelegg*; Dove Dale, *Purchas*; Via Gellia and Bonsall, *B. and N., J. B.*
III. Breadsall, *Whittaker*; hedges at Ockbrook, *Smith MSS.*, Shirley, *Linton.*

247. **Rhamnus Frangula,** L. (Black Alder). Native. English type. Range 1.
III. Horsley Car, near Derby, *Whittaker*; Drakelowe, *Harris*; Bog at Repton Rocks, *Purchas, J. B.*

## ORDER LEGUMINIFERÆ.

248. **Sarothamnus scoparius,** Koch. (Broom). Native. British type. Range 1-2.

I. Railway banks, Chapel-en-le-Frith, *Rogers*; wholly absent from the limestone; appears on the Millstone Grit at Birchover; about the curious rocks called Robin Hood's Stride, and at Cratcliff Tor, *Purchas, J. B.*

II. About Chesterfield, *Waterfall.*

III. Railway banks and other places on the Grit, Belper! Between Copse Hill and Wyaston Grove, *Smith MSS.*; Dimminsdale, Calke; and Melbourne, *Purchas, J. B.*; Stanton, Dale and Locko Park, *Hassé.*

249. **Ulex europæus,** L. (Furze, Whin, and Gorse). Native. British type. Range 1-2-3.

Common on heaths! Ascends up to 400 yards above Burbage, *Baker, J. B.*

250. **Ulex Gallii,** Planch. (Autumnal Furze). Native. English type. Range 1-2-3.

The *Ulex nanus* of the old authors.

I. About Whatstandwell; up to 300 yards on Tansley Moor, *B. and N., J. B.*; Chapel-en-le-Frith; Corbar Hill, Buxton, 400 yards, *Rogers*; Goyt's Bridge, and near Coomb's Moss, Buxton! About Dove Dale, *Purchas, J. B.*

III. Gresley, *Harris*; rough ground about Calke, *Purchas, J. B.*; Shirley, &c., *Linton.*

251. **Genista tinctoria,** L. (Dyer's Green-Weed). Native. English type. Range 1-2.

I. Matlock Bath, 200 yards, *West.*

II. About Chesterfield, *Waterfall.*

III. Ockbrook, *Smith*; Burton-on-Trent, *Harris*; Shirley, *Linton.*

253. **Genista anglica,** L. (Small Whin). Native. British type. Range 1-2.

I. Beeley Moor, near Rowsley, *Scrimshaw*; Tansley Moor, *B. and N., J. B.*

III. Formerly on Breadsall Moor, now extinct, *Whittaker.*

254. **Ononis arvensis,** L. (Rest-harrow). Native. British type. Range 1-2.

I. Matlock Tor, *B. and N., J. B.*; passing into *O. spinosa,* L., Baslow, *Bailey*; near a quarry on Hollington End, near Thorpe; and also in the Via Gellia, *Purchas, J. B.*

II. About Chesterfield, *Waterfall.*

III. Osmaston-by-Ashbourne; Ockbrook; Clifton, *Smith MSS.* Common about Derby!

255. **Ononis spinosa,** L. Auct. Native. English type. Range 1-2-3.

I. Wormhill!

III. Normanton-by-Derby! Between Ockbrook and Hopwood Lodge Field, *Smith MSS.*; Willington, *Hagger*; Tickenhall, *Purchas, J. B.*; Dale and near Ockbrook, *Hassé*; near Etwall, *Burkill.*

257. **Anthyllis vulneraria,** L. (Lady's Finger). Native. British type. Range 1-2.

I. Miller's and Monsal Dale, *West*; Cromford, *Rowland*; Bonsall and Matlock Bath up to 300 yards, *B. and N., J. B.*; the Winnatts, Castleton! Dove Dale! Blackwell Dale!

II. Waste ground at Renishaw Furnaces, *Waterfall.*

III. Measham, *Harris*; "Very scarce. For several seasons I noticed a solitary plant in an old stone-pit near Tickenhall; a second plant afterwards appeared, and these two weakly plants were all that I saw in that district," *Purchas, J. B.*; Dale, *Hassé.*

260. **Medicago lupulina,** L. (Black Medick). Native. British type. Range 1-2-3.

Common throughout the county! Ascends up to 400 yards, *Baker, J. B.*

*Medicago maculata*, Sibth. (Spotted Medick). Casual here.

Renishaw, near Chesterfield; found once, *Waterfall.*

Shirley, only one plant observed, *Linton.*

264. **Melilotus officinalis,** Willd. (Yellow Melilot). Colonist. English type. Range 1.

II. Renishaw, *Waterfall.*

III. Bretby, *Harris*; Nottingham Road Railway Station, Derby! Chellaston! Near Osmaston-by-Ashbourne, *Smith MSS.*; Aston, *Hassé*; by the tramway at Tickenhall, most probably introduced, *Purchas, J. B.*

**Melilotus arvensis,** Wallr. Alien.

III. On the side of the railway between Derby and Borrowash; *Smith MSS.*

267. **Trifolium repens,** L. (Dutch Clover, White Clover). Native. British type. Range 1-3.

Common throughout the county! Ascends up to 500 yards, *Baker, J. B.*

*Trifolium subterraneum*, L. (Subterranean Clover).

Near Sandiacre Church, very scarce, *Atkinson.* Is this anything more than a colonist here?!

*Trifolium ochroleucum*, L. Repton, *Repton F. and F.* Wants confirmation.

271. **Trifolium pratense,** L. (Red Clover). Native. British type. Range 1-2-3.

Common throughout the county! Ascends up to 500 yards, *Baker*, *J. B.*

Var. **sativum,** Syme.

I. Miller's Dale, *Bailey.*

III. Burton-on-Trent, *Harris.*

272. **Trifolium medium,** L. (Zig-zag Trefoil). Native. British type. Range 1-2.

I. Buxton, *Smith*; Lovers' Leap! Ashwood Dale! Matlock Bath, *Rowland*; Chapel-en-le-Frith, *Rogers*; ascends up to 300 yards, *Baker*, *J. B.*

II. About Chesterfield, *Waterfall.*

III. Ockbrook, *Smith*; Bretby, *Harris*; "a solitary plant found by me on Pistern Hill; found also near the Tickenhall Lime Works by me, and by Mr. Bloxam at Calke," *Purchas*, *J. B.*; Shirley, *Linton.*

**Trifolium hybridum,** L. (Alsyke Clover). Alien.

I. Roadsides and forage fields about Matlock, *B. and N.*, *J. B.*

III. Shirley, *Linton.*

275. **Trifolium arvense,** L. (Hare's-foot Clover). Native. British type. Range 1.

III. Railway bank near Borrowash Station, *Smith MSS.*; Repton! Breadsall Moor, *Whittaker*; near Foremark, *Bloxam*! Burton-on-Trent, *Harris.*

277. **Trifolium striatum,** L. (Soft-knotted Trefoil). Native. English type. Range 1-2.

I. Monsal Dale, *Whitelegg*; Miller's Dale, *Bailey*; Wormhill, 350 yards, *West.*

III. Drakelowe, *Harris*; near Borrowash Station, *Smith MSS.*

280. **Trifolium fragiferum,** L. (Strawberry Clover). Native. English type. Range 1.

I. Between Fenny Bentley and Tissington, *Purchas.*

III. Near Stanton-by-Dale formerly, *Hassé.*

281. **Trifolium procumbens,** L. (Hop Clover). Native. British type. Range 1-2-3.

I. Walls of Peveril Castle, Castleton; up to 400 yards, *Baker*, *J. B.*; Turnditch! Dove Dale!

III. About Calke, *Purchas*, *J. B.*; Shirley, *Linton*!

282. **Trifolium minus,** Relh. (Lesser Yellow Trefoil). Native. British type. Range 1-2-3.

I. Frequent up to 450 yards above Burbage, *Baker*, *J. B.*; Lumsdale, near Matlock, *B. and N.*, *J. B.*; Chapel-en-le-Frith, *Rogers*.

III. Frequent in this part of the county!

282.* **Trifolium filiforme,** L. Native. English type. Range 1-2.

I. Miller's Dale, *Wild*; Middleton Dale, *Carr*; *Howarth*, *com^d.*

III. About Burton-on-Trent, *Harris*.

283. **Lotus corniculatus.** L. (Bird's-foot Trefoil). Native. British type. Range 1-2-3.

Common throughout the county! Ascends up to 500 yards, *Baker*, *J. B.*

283B. **Lotus tenuis,** W. and K. Native. British type. Range 1.

III. Cornfields, Osmaston-by-Ashbourne, *Smith MSS.*

284. **Lotus major,** Scop. Native. British type. Range 1-2-3.

I. Common about Buxton, 450 yards, *Baker*, *J. B.*; Matlock, *B. and N.*, *J. B.*; Monsal Dale! Dove Dale!

II. About Chesterfield, *Waterfall*.

III. About Burton-on-Trent, *Harris*; Repton! Shirley, *Linton*.

291. **Ornithopus perpusillus,** L. (Bird's-foot). Native. British type. Range 1.

III. Cauldwell, *Harris*; Repton, *Green*; Morley Moor! Quarndon! Near Dale; Locko Park; Melbourne, *Hassé*.

293. **Hippocrepis comosa,** L. (Horse-shoe Vetch). Native. English type. Range 1-2.

I. Dove Dale!

296. **Vicia sylvatica,** L. (Wood Vetch). Native. Scottish type. Range 1-2.

I. Cressbrook Dale; between Bradbourn and Fenny Bentley, *Bailey*; Lathkill Dale, *Whitelegg*; Matlock Bath and Ashbourne, *Smith*; Deep Dale, Buxton, *Green*.

III. Cauldwell Bridge, *Blore in Smith MSS.*

297. **Vicia Cracca,** L. (Blue Vetch). Native. British type. Range 1-2.

I. Frequent up to 400 yards at Buxton, *Baker*, *J. B.*; not common about Matlock, *B. and N.*, *J. B.*

II. About Chesterfield, *Waterfall*.

III. Common about Derby! Shirley, *Linton*; Calke, *Purchas*, *J. B.*

298. **Vicia sativa,** L. (Common Vetch). Denizen? British type. Range 1-2-3.

I. Cornfield weed, up to 540 yards, *Baker, J. B.*; on cultivated ground only at Matlock, *B. and N., J. B.*

II. About Chesterfield, *Waterfall.*

III. Rarely wild; between Shirley Village and Ednastone; Ockbrook, *Smith MSS.*

298. **Vicia angustifolia,** Auct. Native. British type. Range 1-2.

I. Turnditch! Ascends up to 300 yards in Miller's Dale, *Rogers.*

III. Gresley, *Harris.*

Var. **Bobartii,** Forster.

Dimminsdale, Calke, *Purchas, J. B.*; Shirley, *Linton.*

*Vicia lutea,* L., is recorded in "Pilkington's History" as having been found at Pinxton and Derby.

301. **Vicia sepium,** L. (Hedge Vetch). Native. British type. Range 1-2-3.

I. Common! Ascends to 450 yards on the Burbage Moors, *Baker, J. B.*

III. Common about Derby! Bushy places about Calke, *Purchas, J. B.*; Shirley, *Linton.*

303. **Vicia hirsuta,** Koch. (Hairy Tare). Colonist. British type. Range 1-2.

I. Miller's Dale, 300 yards, *West*; Ashwood Dale!

III. Drakelowe, *Harris*; Spondon! Morley! Near Calke Abbey, *Bloxam*!

304. **Vicia tetrasperma,** Moench. (Smooth Tare). Colonist. English type. Range 1-2.

I. Miller's Dale, *Wild.*

III. Drakelowe, *Harris*; Repton, *Hagger*; near Calke Abbey, *Purchas, J. B.*

*Vicia lathyroides,* L., is recorded in Repton F. and F. on Dr. Hewgill's authority; very doubtful!

*Lathyrus aphaca,* L. "Pilkington's History," Pinxton and Derby.

306. **Lathyrus Nissolia,** L. Native. English type. Range 1.

III. Draycott House, *Hey in Smith MSS.*

*Lathyrus hirsutus,* L. South Normanton. Mr. Coke in "Pilkington's History."

308. **Lathyrus pratensis,** L. (Meadow Vetchling). Native. British type. Range 1-2-3.

I. Common up to 400 yards, *Baker, J. B.*
II. Common about Chesterfield, *Waterfall.*
III. Common in meadows!

*Lathyrus palustris*, L. Pinxton. Mr. Coke in "Pilkington's History."

310. **Lathyrus sylvestris,** L. (Everlasting Pea). Native. English type. Range 1.
III. Weston-upon-Trent, *Atkinson and Hassé.*

312. **Orobus tuberosus,** L. Native. British type. Range 1-2.
I. Ashwood Dale, *Green*; between Bugsworth and R. Goyt, Chapel-en-le-Frith; Miller's Dale, *Rogers*; near Matlock, *Waterfall.*
III. Etwall Road, Repton, *Hagger*; Dale Abbey Woods! About Burton-on-Trent, *Harris*; scarce about Calke, *Purchas, J. B.*; Shirley and Bradley, *Linton.*

Var. **tenuifolius,** Roth.
I. Stirrup Woods, Charlesworth, *Whitelegg.*
III. Ockbrook, *Smith MSS.*

## ORDER ROSACEÆ.

314. **Prunus spinosa,** L. (Sloe). Native. British type. Range 1-2.
I. In limestone dales up to 350 yards, *Baker, J. B.*; Dove Dale, *B. and N., J. B.*
II. About Chesterfield, *C. Waterfall.*
III. Repton, *Hagger*; Burton-on-Trent, *Harris*; near Bradley Wood and Ednastone, *Linton.*

314.* **Prunus insititia,** L. (Bullace). Native. English type. Range 1-2.
I. Via Gellia, &c., *B. and N., J. B.*
II. Field at the Hague, Renishaw, Chesterfield, *Waterfall.*
III. Ockbrook! Shirley, *Linton*; Hanley, *Hassé.*

**Prunus domestica,** L. (Wild Plum). Alien.
II. Cresswell Crags, *Waterfall,*
III. Ockbrook, *Smith MSS.*; an escape from cultivation at Calke Mill, *Purchas, J. B.*

315. **Prunus Padus,** L. (Heckberry, Bird Cherry). Native. Scottish type. Range 1-2.
I. Via Gellia, *Rowland*; Lovers' Leap, Buxton, *Green*; ascends to 350 yards, *Baker, J. B.*; Monk's Dale, *West*; banks of R. Derwent, Whatstandwell! Upper end of Dove Dale, and at Fenny Bentley, *Purchas, J. B.*

III. Near Breadsall Priory, *Whittaker;* Penthays, Shirley, *Linton.*

316. **Prunus Cerasus,** L. Denizen. English type. Range 1.
II. Fields near Clowne, *Waterfall.*
III. Osmaston-by-Ashbourne; Clifton, *Smith MSS.*; Brailsford, *Linton.*

316. **Prunus avium,** L. (Wild Cherry). Denizen. English type. Range 1.
I. Mellor, *Hannan.*
III. Kedleston! Breadsall, *Whittaker*; Repton Rocks, *Burkill.*

317. **Spiræa Ulmaria,** L. (Meadow Sweet). Native. British type. Range 1-2.
I. Common up to 300 yards, *B. and N.*, *J. B.*; Monk's Dale, 350 yards, *West.*
II. Common about Chesterfield, *Waterfall.*
III. Common about Derby! Ditches at Calke, *Purchas*, *J. B.*; Shirley, *Linton.*

318. **Spiræa Filipendula,** L. (Dropwort). Native. English type. Range 1-2.
I. Miller's Dale, *Whitelegg*; Hartington, *Harris*; between Newhaven and Middleton, *Purchas.*
III. Between Chellaston and Weston-on-Trent, in very small quantity in one or two spots about Calke, and in a spot between Tickenhall and Hartshorne, *Purchas*, *J. B.*; between Swarkestone and Ingleby, *Hassé.*

321. **Geum urbanum,** L. (Wood Avens). Native. British type. Range 1-2.
I. Common in the limestone woods up to 300 yards, *Baker*, *J. B.*
II. Common at Chesterfield, *Waterfall.*
III. Common about Derby! Shirley, *Linton*; about Calke, *Purchas*, *J. B.*

322. **Geum rivale,** L. (Water Avens). Native. British type. Range 1-2.
I. Cressbrook Dale, *Bailey*; Miller's Dale, *Whitelegg*; Matlock Bath and Crowford, *Rowland*; Wye Valley up to 300 yards, *Baker*, *J. B.*; Ashwood, Blackwell and Lathkill Dales!
III. Repton, *Hagger*; Shirley, *Linton.*

322B. **Geum intermedium,** Ehrh. Native. British type. Range 1-2.

I. Bakewell, *Smith*; Chee Tor, *Whitelegg*; Miller's Dale, *Bailey*; Dove Dale, *Smith MSS.*

327. **Potentilla anserina,** L. (Silver Weed). Native. British type. Range 1-2-3.

Common throughout the county! Ascending to 400 yards, *Baker*, *J. B.*

*Potentilla argentea*, L.

III. One plant seen near to Sandiacre Church, *Atkinson.* Recorded in Glover's History, "Markeaton Road, Derby."

329. **Potentilla verna,** L. Native. British type. Range 1-2.

I. Dove Dale, *Purchas*; Lathkill Dale, *Smith*; Monsal Dale, *Whitelegg*; Miller's Dale, *Hannan*; Monk's Dale, 350 yards, and Tideswell, *West.*

331. **Potentilla reptans,** L. (Creeping Cinquefoil). Native. English type. Range 1.

Common in most parts of the county.

332. **Potentilla Tormentilla,** Schreb. (Common Cinquefoil). Native. British type. Range 1-2-3.

I. Ascends nearly to the summit of Axe Edge, 550 yards, *Baker*, *J. B.*

II. and III. Common on heaths!

*P. mixta*, Nolte. Frequent upon heaths about Buxton!

332.* **Potentilla procumbens,** Sibth. Native. British type. Range 1-2-3.

I. Miller's Dale, *Searle*; moor over Burbage, 450 yards, *Baker*, *J. B.*; between Bugsworth and Whaley Bridge, *Rogers*; Via Gellia, *West.*

III. Brailsford and Osmaston-by-Ashbourne, *Linton.*

333. **Potentilla Fragariastrum,** Ehrh. (Barren Strawberry). Native. British type. Range 1-2.

Common throughout the county! Ascends to 300 yards in the limestone dales, *Baker*, *J. B.*

334. **Comarum palustre,** L. (Marsh Cinquefoil). Native. British type. Range 1-2-3.

I. Chrome Hill, near Buxton!

III. Gresley, *Harris*; between Wyaston and Bodsley, *Smith MSS.*; Bradley, *Linton.*

335. **Fragaria vesca,** L. (Wood Strawberry). Native. British type. Range 1-2.

Limestone dales, up to 350 yards, *Baker, J. B.*; common throughout the county, in woods and upon banks! At Heath End occurred a white-fruited variety in some plenty, scarcely to be distinguished from what I have seen grown in gardens as the "Alpine Strawberry," *Purchas, J. B.*

*Fragaria elatior*, Ehrh. (Hautboy Strawberry). Alien.

III. Once seen by the late *Rev. G. E. Smith* at Ockbrook, now extinct. Recorded in *Repton, F. and F.* Wants confirmation.

337. **Rubus Chamæmorus,** L. (Noutberry, Cloudberry). Native. Highland type. Range 3.

I. Kinder Scout, *West*; Axe Edge, especially descending the clough on the north, 550 yards, *Baker, J. B.*

338. **Rubus saxatilis,** L. Native. Scottish type. Range 1-2.

I. Miller's Dale, *Harris*; Chee Dale and Wormhill, *West*; Cressbrook Dale, *Whitelegg*; Ashford Dale, *Bailey*; Dove Dale, *Purchas*; Lathkill and Monsal Dales, *Smith MSS.*

II. Cresswell Crags, *Waterfall.*

* 339. **Rubus Idæus,** L. (Raspberry). Native. British type. Range 1-2-3.

Ascends to 450 yards in Goyt's Clough, *Baker, J. B.* Common in thickets throughout the county!

340. 4. **Rubus fissus,** Lindl.

III. On the New Red Sandstone at Bradley Wood, east of Ashbourne, *Purchas, J. B.*; Shirley Wood; Osmaston Park, *Linton.* The habitat given in *Smith MSS.* for *R. suberectus, Anders.*, in Osmaston Park, clearly belongs to this species, Mr. Smith having mistaken the one for the other!

340. 5. **Rubus plicatus,** W. and N.

III. Bog at Repton Rocks; probably correctly named, but as I unfortunately did not preserve a specimen from this station, I feel some degree of doubt as to whether it might not rather have been called *R. fissus, Purchas, J. B.*

340. 6. **Rubus affinis,** W. and N.

III. On Bloxam's authority, at White Lees, and by the side of the Repton Road, Tickenhall. I think also at Repton Rocks, *Purchas, J. B.*

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* In arranging the sequence of this difficult genus I have had the valuable assistance of Professor Babington, to whom I am greatly indebted for valuable counsels and for inspecting specimens. As far as practicable I have followed the arrangement of the last edition of the "London Catalogue."

340. 7. **Rubus Lindleianus,** Lees.

I. Woods and thickets at Whatstandwell, and quarry at Matlock Bath, *B. and N.*, *J. B.*; quarry refuse at Cromford, *Bailey.*

III. Hedges at Bradley Wood and about Calke, *Purchas*, *J. B.*

340. 8. **Rubus rhamnifolius,** W. and N.

I. Bottom of Monsal Dale, 200 yards, *Baker*, *J. B.*; Hill, west of Matlock Bridge Railway Station, *B. and N.*, *J. B.*

III. In hedges about Calke, sometimes approaching the *cordifolius* form, *Purchas*, *J. B.*

340. 9. **Rubus incurvatus,** Bab.

I. Hill above Miller's Dale; agrees with Welsh *incurvatus*, *Rogers.*

**Rubus ramosus,** Bloxam.

I. Between Youlgreave and Robin Hood's Stride, named by Mr. Bloxam, *Purchas*, *J. B.*

**Rubus thyrsoideus,** Wimm. ?

III. Near Stanton-by-Bridge, *Purchas*, *J. B.* A specimen of this bramble was sent me by *Mr. Hagger* from Repton, and named as such by Mr. Purchas, but Professor Babington says this specimen is *R. nemoralis*, Müll, *i.e.*, *Münteri*, Marss, which see.

340. 12. **Rubus rusticanus,** Merc.

I. Common about Tissington and DoveDale; seen only once at Matlock in a lane at the top of Bonsall, *B. and N.*, *J. B.*; Monsal Dale!

III. Hedges and banks about Calke, *Purchas*, *J. B.*; Shirley, *Linton.*

340. 13. **Rubus pubescens,** W. and N. (*thyrsoideus*, Auct. Ang.)

I. Near the railway station at Whatstandwell, *B. and N.*, *J. B.*

III. Between White Lees and Broadstone, Tickenhall (*R. macroacanthus*, Blox.), *Purchas*, *J. B.*; about Yeldersley Rough and Shirley, fide Dr. Focke, *Linton.*

340. 14. **Rubus leucostachys,** Sm.

I. Monsal Dale, and road above Cressbrook Mill, *Baker*, *J. B.*; Dove Dale and about Matlock, ascending to 300 yards in Masson Wood, *B. and N.*, *J. B.*; near "Pig-of-Lead," Cromford, *Bailey.*

III. Hedges between Calke and Pistern Hill, &c. "The petals are there of a deeper pink than in any other bramble known to me. In Herefordshire, where I first became

acquainted with this species, the petals are usually white, especially in the wood forms, and hence, until I went to live in Derbyshire, Mr. Borrer's account of their colour in *Eng. Bot. Suppl.* surprised me. In N. Staffordshire also the petals are white, thus showing how little reliance can be placed on colour as a distinctive mark," *Purchas, J. B.*

340. 18. **Rubus carpinifolius,** W. and N.

I. Near Cressbrook School Church! fide Professor Babington.

III. Shirley Brook, fide Dr. Focke, *Linton.* Professor Babington considers the specimen from Bradley Wood named *R. Münteri* by Dr. Focke, to belong to this species.

340. 19. **Rubus villicaulis,** Koehl., var. **gratus,** Focke.

III. Brook near Shirley Wood, *Linton.* (*R. leucandrus,* Focke.) "Very near," Dr. Focke, Brailsford, *Linton.*

340. 17. **Rubus Salteri,** Bab., var. **calvatus,** Blox.

I. Between New Mills and Bugsworth, indistinguishable from the Bournemouth *calvatus, Rogers.*

III. Bank of the Ashby Road, over Pistern Hill; also at Dimminsdale, Calke. "It was first pointed out to me by the Rev. W. H. Coleman, and my specimens were verified by Bloxam," *Purchas, J. B.*

340. 20. **Rubus nemoralis,** Müll. (=*R. Maasii,* Focke. *R. macrophyllus* var. *umbrosus,* Bab.)

I. Monsal Dale and Wye Valley below Chee Tor, 200-250 yards, *Baker, J. B.*; not seen about Matlock, *B. and N., J. B.*

III. Roadside, Osmaston-by-Ashbourne, *Linton*; between Calke and Melbourne, confirmed by Bloxam; Bradley Wood, *Purchas, J. B.* (*R. amphichloros,* P. J. Müll.)—Shirley; Brailsford, *Linton.* (*R. Münteri.* Marss.) Repton, *Hagger,* (see above, *R. thyrsoideus*). Bradley Wood, fide Dr. Focke, *Linton.* Professor Babington writes:—"I have known this, *i.e.*, R. Münteri, for some time, and place it and Maasii and Bloxam's carpinifolius = umbrosus under the name of **nemoralis,** Müll., a much older name (1858) than either of the others. I believe also that my macrophyllus var. glabratus will join it."

340. 20. **Rubus macrophyllus,** W. and N., var. **amplificatus,** Lees.

I. Thickets at Whatstandwell, *B. and N., J. B.*; north of Ashbourne, rare, *Purchas, J. B.*

**Rubus anglosaxonicus,** Gelert.

I. Above New Bath Hotel, Matlock Bath, *Bailey*; named by Dr. Focke and verified by Professor Babington. This plant was sent to the Exchange Club for the British Isles as R. macrophyllus, see Report for 1887. New to Britain.

340. 22. **Rubus Sprengelii,** Weihe.

I. Seen once between Whatstandwell and Wirksworth, *B. and N., J. B.*

III. This and the var. *R. Borreri* (Bell-Salter) in hedges between Calke and Melbourne, and near to Southwood Farm. Probably most of the plants belong rather to the larger form, *R. Borreri*, than to the true R. Sprengelii, *Purchas, J. B.* The variety occurs in a lane by Bradley Wood, *Linton.*

340. 23. **Rubus Bloxamii,** Lees.

III. Shirley, fide Dr. Focke, *Linton*; but Professor Babington says it is *R. thyrsiger*, Bab. = *R. rhenanus*, Müll.

340. 25. **Rubus rosaceus,** W. and N.

III. Shirley, *Linton.*

Var. 24. **Hystrix,** Weihe.

III. Woody places about Calke; seen also between Tickenhall and Stanton-by-Bridge, *Purchas, J. B.* Under this bramble I place one which Mr. Purchas says "is not uncommon on the borders of Derbyshire and Leicestershire," and which the Rev. W. H. Coleman called *R. Radula*, Weihe, var. *Bloximianus*, Coleman, to distinguish it from true Radula, as I find on referring to J. of B., xxv., pp. 102-3, that Professor Babington considered it to be R. Hystrix. Mr. Purchas has a long note upon this plant in the J. of B., as above, to which the reader is referred. *Mr. Hagger* sent me a specimen of this bramble from Repton.

**Rubus echinatus,** Lindl.

III. Near Brailsford Church, *Linton.*

340. 28. **Rubus rudis,** Weihe.

III. Rather scarce about Calke, *Purchas, J. B.*

340. 29. **Rubus Radula,** Weihe.

I. Taddington Wood, *Baker, J. B.*; Masson 300 yards; Dove Dale, *B. and N., J. B.*; Miller's Dale! "Mr. Bloxam did not regard the form which occurs in Dove Dale and in other places in this neighbourhood as typical Radula, but rather as *melanoxylon*, Müll.; Professor Babington named it Radula," *Purchas, J. B.*

**R. Drejeri,** Jens. This, Professor Babington says, is the proper name for the plant which has been known as *R. Purchasii*, Bloxam.

III. Brailsford, fide Dr. Focke, *Linton.*

**Rubus anglosaxonicus,** Gelert.
See under R. macrophyllus.

**Rubus melanoxylon,** Müll.
III. Brailsford, fide Dr. Focke, *Linton.*
See note on R. radula.

340. 30. **Rubus Koehleri,** Weihe, var. **pallidus,** Bab., non W. and N.
I. Dove Dale; frequent in the limestone dales; Heights of Abraham, Matlock Bath, *B. and N.*, *J. B.*; Miller's Dale, and above Burbage, 450 yards!
III. Woody places about Calke, *Purchas*, *J. B.*

340. 32. **Rubus diversifolius,** Lindl.
III. Shirley, *Linton.*

I place here *R. dumetorum*, Warren, var. *intensus*, Warren.
I. Hedges between Parwich and Alsop-en-le-Dale, verified by Bloxam, "A slender form with remarkable narrow leaves belonging to this group occurs in Dove Dale, near the rock called "Pickering Tor," *Purchas*, *J. B.*
III. Repton, *Hagger*, named by Mr. Purchas.

340. 35. **Rubus flexuosus,** M. and L. (*R. Guntheri*, Weihe.)
III. Seal Wood, Knowle Hills, Rev. W. H. Coleman in Nat. Hist. Tutbury.

**Rubus chlorothyrsus,** Focke.
III. Shirley, near the main road, *Linton.* New to Britain.

**Rubus obscurifrons,** M. and W. (*R. septorum*, Müller.)
Bradley Wood, named by Dr. Focke, *Purchas* and *Linton.* Professor Babington writes, "A specimen named septorum by Focke for the Rev. W. R. Linton can hardly be that plant. Authentic specimens in the Herb. Genev. have decidedly felted leaves. I cannot find any trace of felt on Mr. Linton's specimens kindly lent to me. They very closely resemble the *R. obscurifrons*, M. and W., contained in the Herb. rub. rhen., Ed. 1, 180; Ed. 2, 100, but Focke says that that has the under side of its leaves of the panicle grey and velvety, which is certainly not the case on No. 100. In this respect and most others Linton's and Müller's plants agree. I therefore adopt **obscurifrons** as the name. . . . . I think we had better use the name which clearly belongs to our plant, although it may prove ultimately to be part of an aggregate species, for which possibly the name of *R. festivus*, W. and N., ought to be accepted."

340. 40. **Rubus corylifolius,** Sm. Native. British type. Range 1-2.

I. Up the Wye Valley into Ashwood Dale, 300 yards, *Baker, J. B.*; Dove Dale, *B. and N., J. B.*; Cressbrook Dale!

Var. **sublustris**, Lees.

I. About Matlock, *B. and N., J. B.*; Monsal Dale! Miller's Dale! Near to *deltoideus*, Blox., Ashwood Dale! teste Mr. Purchas.

III. Hedges about Smisby, *Purchas, J. B.*; Shirley, *Linton.*

Var. **conjungens**, Bab.

I. Via Gellia, *B. and N., J. B.*; near Tickenhall, *Purchas, J. B.*

Var. **Holandrei**, Müll.

I place here *R. dumetorum*, Warren, var. *concinnus*, Warren, one of the commonest brambles in the Matlock district, ascending to 300 yards, *B. and N., J. B.*; Miller's Dale! Barmoor Clough! fide Mr. Purchas. It also occurs near Derby!

340. 41. **Rubus deltoideus**, P. J. Müll. (*R. althæifolius*, Bab.)

III. A form occurred at Broadstone, near Tickenhall, which probably comes under *R. althæifolius*, Bab., *Purchas, J. B.*

340. 42. **Rubus scabrosus**, P. J. Müll. (*R. tuberculatus*, Bab.)

I. Frequent, ascending the Wye Valley to 350 yards, near the Lovers' Leap, *Baker, J. B.*

III. Shirley, *Linton.*

340. 43. **Rubus cæsius**, L. (Dewberry). Native. English type. Range 1-2.

I. Frequent in Miller's Dale, *Baker, J. B.*; Dove Dale; Matlock Bath, *B. and N., J. B.*; Chee Dale; Wormhill, 350 yards, *West*; Cressbrook Dale, *Whitelegg*; Cromford, *Bailey.*

III. Ockbrook, *Smith*; about Derby! Road towards Bodsley, *Linton.*

Var. **umbrosus**, Reich.

I. Monsal and Cressbrook Dales, fide Mr. Purchas!

Var. **Pseudo-Idæus**, Lej.

I. Near to Monsal Dale, fide Mr. Purchas! Griff Wood, Via Gellia, *Purchas, J. B.*

**Rubus cæsius + R. Idæus**, between Hipley Rock and Longcliff Wharf, on the road from Ashbourne to Matlock, *Purchas.*

341. **Rosa spinosissima,** L. (Scotch Rose, Burnet Rose). Native. British type. Range 1-2.

I. Cressbrook Dale, *Whitelegg*; Chapel-en-le-Frith, *Rogers*; Monsal Dale, *Smith*; ascends up to 300 yards, *Baker, J. B.*

II. Chesterfield, *Waterfall.*

III. Dale, *Hassé.*

343. **Rosa involuta,** Sm. Native. British type. Range 2.

Var. **Sabini,** Woods.

I. Middleton Dale, *late A. Carr, F. Arnold Lees.*

Var. **Doniana,** Woods.
Var. **Robertsoni,** Baker. } Monsal Dale!

344. **Rosa mollis,** Smith. Native. British type. Range 1-2.

I. Wormhill, 350 yards, *West*; Cressbrook Dale, *Whitelegg*; Miller's Dale, Taddington Wood, &c., *Baker, J. B.*; about Matlock, up to 300 yards, *B. and N., J. B.*; Monsal Dale; Dove Dale!

III. Mickleover, near Derby! At Heath End. Scarce, and not very characteristic, but recognised by Mr. Baker as this species, *Purchas, J. B.*; Shirley and towards Bradley, *Linton.*

Var. **cærulea,** Woods.

I. Matlock, *B. and N., J. B.*; Wormhill, *West.*

III. Bradley and Hognaston, *Linton.*

345. **Rosa tomentosa,** Smith. Native. British type. Range 1-2.

I. Miller's Dale, *Baker, J. B.*; Dove Dale; Matlock, frequently up to 300 yards, in a wide range of forms, of which the most interesting was one with *scabriuscula* leaves and sepals while the fruit was still green, on the ridge between Bonsall and Matlock Bridge, *B. and N., J. B.*; between Cromford and Whatstandwell, *Bailey*; Chapel-en-le-Frith, *Rogers*!

III. Stanton-by-Bridge, "characteristic tomentosa" (*Baker*); also a variety which tends towards *mollis*; the Scaddows, Tickenhall, *Purchas, J. B.*; Spondon and Ockbrook, *Hassé.*

Var. **subglobosa,** Sm.

I. Miller's Dale!

III. Shirley, *Linton.*

Var. **scabriuscula,** Sm.

I. Wye Valley, E. of Miller's Dale, *Rogers.*

III. Mickleover, near Derby! between Melbourne and Castle Donnington, *Purchas, J. B.*; Shirley, *Linton.*

**Rosa rubiginosa,** L. (Sweet Briar). Alien.

III. Between Snelson and Osmaston-by-Ashbourne; near Edlaston Church; Spondon Fields, near Derby, *Smith MSS.*

349. **Rosa micrantha,** Sm. Native. English type. Range 1.

III. Between Clifton and Hill Top, near Ashbourne, *Smith MSS.*; Derby Road, Ashbourne, *Purchas, J. B.*; Shirley, *Linton.*

351. **Rosa canina,** L. (Dog Rose). Native. British type. Range 1-2.

Var. **lutetiana,** Léman.

I. Common in the limestone dales, *Baker, J. B.* Frequent!

III. Frequent about Derby! Repton, *Hagger*; Calke, *Purchas, J. B.* "In the old coach road at Tickenhall I met with a bush with glandular sepals, which Mr. Baker referred to *R. Malmundariensis* Lej." (see his "Monograph of British Roses," p. 226), *Purchas, J. B.* This form has also been found at Yeldersley by the *Rev. W. R. Linton.*

Var. **surculosa,** Woods.

III. Bradley, *Linton.*

Var. **sphærica,** Gren.

I. Miller's Dale!

Var. **dumalis,** Bechst.

I. With lutetiana, *Baker, J. B.*; Barmoor Clough! Dove Dale!

III. Repton, *Hagger*; Breadsall! Between Calke and Southwood (teste Baker), *Purchas, J. B.*; Shirley, *Linton.*

Var. **biserrata,** Mérat.

I. Quarry refuse near Woodseats, Cromford, *Bailey*; Miller's and Monsal Dales, *Rogers.*

III. Shirley, *Linton.*

Var. **urbica,** Léman.

I. A form with glandular sepals in Taddington Wood; with lutetiana, *Baker, J. B.*; Wye Valley, between Miller's Dale and Monsal Dale, *Rogers.*

III. Repton, *Hagger*; about Derby! Willington! A somewhat hairy rose found by me in hedges between "Stanley's Barn" and White Hollows was referred to R. urbica by Mr. Baker, *Purchas, J. B.*; Shirley, *Linton.*

Var. **frondosa,** Steven.

I. About Matlock, *B. and N., J. B.*

III. Form between this and coriifolia, near Ashbourne, *Linton.*

Var. **arvatica**, Baker.

I. With the preceding, *B. and N.*, *J. B.*; near the top of the hill between Bugsworth and the R. Goyt; and Matlock Tor, *Rogers*.

III. Shirley, *Linton*.

Var. **tomentella**, Léman.

III. Ockbrook (fide Baker), *Smith*; between Heath End and the foot of Pistern Hill; "exactly our Yorkshire tomentella," Baker, *Purchas*, *J. B.*; towards the Ash Cover, Shirley, Brailsford, *Linton*.

Var. **andevagensis**, Bast.

I. About Matlock, *B. and N.*, *J. B.*; near Cromford Canal, *Bailey*.

III. Shirley, *Linton*.

Vars. **verticillacantha**, Mérat; **collina**, Jacq.; **Koscinciana**, Besser.

III. Shirley, *Linton*.

Var. **cæsia**, Smith.

I. Dove Dale, *Purchas*, *J. B.*; Cressbrook Dale!

III. Shirley, *Linton*; near Heath End, Calke, *Purchas*, *J. B.*

Var. **decipiens**, Dumort. A rose grows in Cressbrook Dale which Mr. Baker thinks is near to this!

Var. **glauca**, Vill. (*Reuteri*, Godet).

I. Miller's Dale, *Baker*, *J. B.*; about Matlock, *B. and N.*, *J. B.*; Chapel-en-le-Frith, *Rogers*; Cressbrook and Monsal Dales!

III. Shirley and Clifton; Yeldersley, *Linton*.

Var. **transiens**, Kern.

III. Clifton, *Linton*. This is *glauca* with glandular peduncles.

Var. **subcristata**, Baker.

I. Miller's Dale, *Baker*, *J. B.*; Monsal Dale, *Rogers*; Matlock, *B. and N.*, *J. B.*; banks of Canal between Whatstandwell and Cromford, *Bailey*; Dove Dale!

III. Lane by Bradley Wood, *Linton*.

Var. **coriifolia**, Fries.

I. Miller's Dale, *Baker*, *J. B.*; about Matlock, *B. and N.*, *J. B.*; Cressbrook Dale! Burbage!

III. Lane by Bradley Wood; Atlow; a form with setose sepals at Bradley, *Linton*.

Var, **Watsoni**, Baker.

I. Tissington, *Baker*; Monsal Dale, *Rogers*; Cressbrook Dale!

Var. **marginata**, Wallr.

I. Near Cressbrook School Church, *Baker, J. B.*

III. Shirley and Bradley, *Linton.*

353. **Rosa arvensis**, Huds. (York Rose). Native. English type. Range 1-2.

I. Mellor, *Hannan*; Taddington Wood; below Chee Tor; Cressbrook Dale, up to 300 yards, *Baker, J. B.*; Dove Dale, *B. and N., J. B.*; Bugsworth, *Rogers*; Miller's and Monsal Dales! Castleton!

III. Common about Derby! Shirley, *Linton*; Hedges, Calke, *Purchas, J. B.*

Var. **bibracteata**, Bast.

III. Holbrook, near Derby!

Var. **gallicoides**, Déségl. (*setosa*, Bagnall). Stydd; Yeaveley; Brailsford; between Ednaston and Hollington, *Linton.*

*Rosa stylosa*, Desv., is stated by Mr. Smith to have been found at Ockbrook, but the specimen preserved at Nottingham is too poor for identification.

354. **Agrimonia Eupatoria**, L. (Agrimony). Native. British type. Range 1-2.

I. Common in the limestone dales! Ascends to 350 yards, *West.*

II. Common about Chesterfield, *Waterfall.*

III. Spondon Fields, *Smith MSS.*; common about Derby! about Calke, *Purchas, J. B.*; Shirley, *Linton.*

354.* **Agrimonia odorata**, Mill. Native. British type. Range 1-2.

I. Miller's Dale, *Harris.*

354.* **Sanguisorba officinalis**, L. (Great Burnet). Native. Intermediate type. Range 1-2-3.

I. Monk's Dale, Wormhill, 350 yards; Matlock, *West*; ascends to 400 yards above Buxton, *Baker, J. B.*; Whatstandwell, *B. and N., J. B.*; Lovers' Leap, &c., Buxton!

III. Repton, *Hagger*; Burton-on-Trent, *Harris*; Normanton-by-Derby! Morley, *Whittaker*; about Calke, *Purchas, J. B.*; Shirley, *Linton.*

355. **Poterium Sanguisorba**, L. (Lesser Burnet). Native. English type. Range 1-2-3.

I. Cromford, *Harris*; Monk's Dale, Wormhill, *West*; common on limestone banks, up to 400 yards, at Buxton, *Baker, J. B.*; Dove Dale!

II. College Meadow, the Hague, Chesterfield, *Waterfall.*

III. Ockbrook and Sawley, *Smith MSS.*; Breadsall, *Whittaker*; Tickenhall and Calke, *Purchas, J. B.*

356. **Alchemilla vulgaris,** L. (Lady's Mantle). Native. British type. Range 1-2-3.

I. Ascends to 500 yards above Buxton, *Baker, J. B.* Common in this district!

II. Common about Chesterfield, *Waterfall.*

III. Repton, *Hagger*; about Derby, Morley, *Whittaker*; about Calke, *Purchas, J. B.*; Shirley, *Linton.*

Var. **montana,** Willd.

I. Fields on the banks of the Wye, in the neighbourhood of Miller's Dale, *Bailey.* Dr. Boswell did not regard this as a true variety. Plants which he gathered as such in the Orkney Islands and afterwards planted in his garden came up as glabrous *vulgaris!*

358. **Alchemilla arvensis,** L. (Parsley Piert). Native. British type. Range 1-2-3.

I. Chapel-en-le-Frith, *Rogers*; Charlesworth, *Whitelegg*; Wye Valley up to 250 yards, *Baker, J. B.*; the Winnatts, Castleton!

III. Cauldwell, *Harris*; Littleover! about Calke, *Purchas, J. B.*; Shirley, *Linton.*

360. **Cratægus Oxyacantha,** L. (Hawthorn). Native. British type. Range 1-2-3.

Var. **oxyacanthoides,** Thuill.

I. Wardlow Hay Cop, *Bailey*; Cressbrook Dale, *Hannan.*

III. Burton-on-Trent, *Harris.*

Var. **laciniata,** Wallr.

I. Matlock Tor, &c., *B. and N., J. B.*

Var. **monogyna,** Jacq. Common everywhere! Ascends to 450 yards, *Baker, J. B.*

362. **Pyrus communis,** L. Denizen? English type. Range 1.

II. Chesterfield, *Waterfall.*

III. Repton F. and F.; doubtful.

363. **Pyrus Malus,** L. (Crab-tree). Native. English type. Range 1-2.

I. Common in woods, ascending up to 300 yards, *Baker, J. B.*

II. Very abundant, *Waterfall.*

III. Common about Derby! Repton Rocks, *Purchas, J. B.*

Var. **mitis,** Wallr.

III. Repton, *Candler.*

365. **Pyrus Aria**, Sm. (White Beam Tree). Native. English type. Range 1-2-3.

I. Chee Dale; Blackwell Mill; Wormhill, *West;* between Ashbourne and Newhaven, *Purchas*; Chelmorton!

Var. **rupicola**, Syme.

I. Miller's Dale, *Whitelegg;* Chee Dale; Wormhill, 350-400 yards, *West*; Matlock Tor, *B. and N., J. B.*; Dove Dale, first discovered by Rev. A. Ley, com$^{d.}$ by *Rev. W. H. Purchas.* Recorded in Repton F. and F. as growing at Foremark; requires confirmation!

366. **Pyrus Aucuparia**, Gaertn. (Rowan, Mountain Ash). Native. British type. Range 1-3.

I. Ascends up to 500 yards, *Baker, J. B.*

II., III. Common!

*Pyrus domestica*, Sm.

Matlock, &c. Mr. Coke in "Pilkington's History."

## ORDER ONAGRACEÆ.

367. **Epilobium angustifolium**, L. (Rose-bay Willow Herb). Native. British type. Range 1-2.

I. Ashwood Dale, *Purchas;* Cromford, *Harris;* Via Gellia, perhaps introduced, *B. and N., J. B.*; Blackwell Dale, *Green*; Matlock Bath, *Rowland*; Monsal Dale! Kinder Vale, Hayfield, *Hannan.*

II. Eckington, *Waterfall.*

III. Little Eaton, *Canon Carr;* Etwall Road, Repton, *Hagger*; Shirley, *Linton*; near Breadsall, *Whittaker*; Spondon and Dale, *Hassé.*

Var. **brachycarpum**, Leight.

I. Burbage, Buxton; a garden escape!

III. Bretby, *Hagger*; Edlaston Coppy, *Linton.*

368. **Epilobium hirsutum**, L. (Great Willow Herb). Native. English type. Range 1-2-3.

I. Common up to 400 yards, *Baker, J. B.*; Lathkill Dale, *Rowland;* Miller's Dale! Monsal Dale! Dove Dale! Barmoor Clough! Between Bradbourne and Parwich, *Smith MSS.*

II. Common about Chesterfield, *Waterfall.*

III. Burton-on-Trent, *Harris*; Repton, *Hagger;* common about Calke, *Purchas, J. B.;* Shirley, *Linton.*

369. **Epilobium parviflorum**, Schreb. (Small-flowered Willow Herb). Native. British type. Range 1-2-3.

I. Hassop, *Bailey;* Dove Dale; Wye Valley, abundant, *Baker, J. B.;* by the canal between Whatstandwell and Ambergate, *Bailey;* ascends to 400 yards above Buxton; all the dales near Buxton!

III. Burton-on-Trent, *Harris*; canal banks, Derby! about Calke, *Purchas, J. B.*; Shirley, *Linton.*

**Epilobium parviflorum+obscurum.**

III. Peathays, *Linton.*

370. **Epilobium montanum,** L. (Common Willow Herb). Native. British type. Range 1-2.

I. Common up to 350 yards, *Baker, J. B.* Two curious forms were noted; one with several leaves of the main stem arranged in threes, and another tall and much branched, with flowers nearly as large as *E. hirsutum*, with which it grew near the Via Gellia Colour Works, *B. and N., J. B.*

II. and III. Common throughout these districts!

**Epilobium montanum+obscurum.**

III. Several places about Shirley, *Linton.*

371. **Epilobium roseum,** Schreb. Native. English type. Range 1-2.

I. Matlock Bridge, *B. and N., J. B.*; Fenny Bentley, *Purchas*; Thorpe and Cubley, *Smith MSS.*

III. Wyaston, near Ashbourne; Borrowash, *Smith*; Osmaston-by-Ashbourne, *Smith MSS.*; Calke, *Purchas, J. B.*; Shirley and Rodswell, *Linton*; Breadsall, *Hassé.*

372. **Epilobium palustre,** L. (Bog Willow Herb). Native. British type. Range 1-2-3.

I. Swamps up to 450 yards in Goyt's Clough, *Baker, J. B.*; near Burbage Edge! Tansley, *B. and N., J. B.*; Chapel-en-le-Frith, *Rogers.*

III. Gresley Common, *Harris*; pond in Calke Park, and bog at Repton Rocks, *Purchas, J. B.*; Bradley, *Linton.*

*Epilobium tetragonum*, L.

The habitat given in Repton F. and F. for this plant is not known to Mr. Hagger, and this plant has not been seen by him.

373.* **Epilobium obscurum,** Schreb. Native. British type. Range 1-2-3.

I. Baslow, *Bailey*; up to 500 yards on Axe Edge, *Baker, J. B.*; Lumsdale Reservoir, &c., Matlock, *B. and N., J. B.*; near Buxton! Fenny Bentley, *Purchas, J. B.*

III. Newton Solney, *Harris*; about Calke, *Purchas, J. B.*; Shirley, *Linton.*

*Epilobium alpinum*, L. Recorded from Baslow in "Gem of the Peak."

377. **Circæa lutetiana,** L. (Enchanter's Nightshade). Native. British type. Range 1-2.

I. North of Hassop; Bakewell; Matlock. *West*; Wye Valley, up to Chee Tor, *Baker*, *J. B.*; Corbar Wood, Buxton, 350 yards, *Rogers*; Thorpe, *Rowland*; Dove Dale, *B. and N.*, *J. B.*; Miller's Dale! Monsal Dale!

II. Bank of River Rother, *Waterfall.*

III. Near Burton-on-Trent, *Harris*; Horsley Car, near Derby! Woody places about Calke, *Purchas*, *J. B.*; Wood near Snelston Hall, *Linton.*

Var. **intermedia,** *Lon. Cat.*

Matlock, *J. Whittaker. Specimen in Watson Herbarium.*

378. **Circæa alpina,** L. Native. Scottish type. Range 1-2.

I. Stirrup Wood, Charlesworth, *Searle.*

III. Shirley, *Linton.*

## ORDER HALORAGIACEÆ.

379. **Hippuris vulgaris,** L. (Mare's Tail). Native. British type. Range 1.

I. Via Gellia, *Milnes.*

II. Pond opposite Cresswell Crags, *Waterfall.*

III. Bretby Park, *Hagger*; in a small quantity in a pool near White Hollows, Tickenhall, *Purchas*, *J. B.*

380. **Myriophyllum verticillatum,** L. Native. English type. Range 1.

I. Repton, *Hagger*; pond by Swarkestone Bridge, *Bloxam!*

381. **Myriophyllum spicatum,** L. (Millfoil). Native. British type. Range 1.

I. Reservoirs at Cromford, where my attention was called to it by Mr. Bailey, *Purchas*, *J. B.*

III. About Burton-on-Trent, *Harris*; Old Trent, Repton, *Hagger*; Locko Park, near Derby! Pond in Calke Park, *Bloxam!* Shirley Brook, *Linton*; in the R. Derwent, Borrowash, *Hassé.*

382. **Myriophyllum alternifolium,** D. C. Native. British type. Range 1.

II. Pond opposite Cresswell Craggs, *Waterfall.*

383. **Callitriche verna,** Kutz. (Starwort). Native. British type. Range 1-2.

I. River Bradford at Youlgreave. See Report E. C. B. I., 1876, *Purchas, J. B.*; Chapel-en-le-Frith, *Rogers.*

384. **Callitriche platycarpa,** Kutz. (*C. stagnalis,* Scop.) Native. British type. Range 1-2-3.

I. Swamps up to 500 yards on the slopes of Axe Edge, *Baker, J. B.*; Via Gellia, *Bailey*; Swamp above Burbage!

III. Calke, *Purchas, J. B.*; Shirley, *Linton.*

385. **Callitriche hamulata,** Kutz.

Var. **pedunculata,** D. C.

I. Middleton Dale, *late A. Carr,* communicated by *F. A. Lees.*

III. Bradley, *Linton.*

385.* **Callitriche obtusangula,** Le Gall.

III. The specimen in Mr. Bloxam's herbarium as *C. verna* is, I think, undoubtedly this species. I have compared it with Messrs. Grove's Hampshire plants and do not question their identity, *Purchas, J. B.*

386. *Callitriche autumnalis,* L. Repton F. and F.; wants confirmation!

387. **Ceratophyllum demersum,** L. (Hornwort). Native. English type. Range 1.

III. There is a scrap in Mr. Bloxam's collection labelled from "Ponds in the Tickenhall Lime-works," which, although labelled "*Chara vulgaris,*" is evidently this plant. I did not myself meet with it, but it may well have died out, *Purchas, J. B.*

## ORDER LYTHRACEÆ.

**Lythrum hyssopifolia,** L. Alien.

III. Near Calke, Rev. A. Bloxam, communicated by *Mr. Harris.* A single plant only was found by the Rev. A. Bloxam! as recorded in N. B. G., p. 637. The spot, however, was not "in Calke Park," but on the side of a pond long since let dry, and was "two fields below the mill at Calke. Mr. Bloxam described the spot to me, and I searched it, but, of course, without surprise that a plant known to be so capricious and uncertain in its appearance was not again to be found there," *Purchas, J. B.*

390. **Lythrum Salicaria,** L. (Purple Loose-strife). Native. English type. Range 1.

II. Kirk Hallam and Sandiacre, *Hassé.*

III. Burton-on-Trent, *Harris*; Little Eaton near Derby! Pond at Calke Mill, *Purchas, J. B.;* Osmaston-by-Ashbourne, *Linton.*

391. **Peplis Portula,** L. Native. British type. Range 1.
III. Brook near Osmaston Church, Ashbourne; between Rodsley and Yeavely, *Smith MSS.*

## ORDER CUCURBITACEÆ.

393. **Bryonia dioica,** L. (Bryony). Native. English type. Range 1.
III. About Derby! near Calke Abbey, *Bloxam!* Spondon, *Hassé.*

## ORDER PORTULACEÆ.

394. **Montia fontana,** L. (Water Blinks). Native. British type. Range 1-2-3.
I. Charlesworth Coombs, *Hannan*; about Buxton! common in swamps up to 500 yards, *Baker, J. B.*
III. Cauldfield, *Harris*; Repton Rocks, *Hagger*; near Shirley, *Linton.*

Var. **rivularis,** Gmel.
I. Charlesworth Coombs, *Whitehead.*

## ORDER SCLERANTHACEÆ.

399. **Scleranthus annuus,** L. (Knawell). Native. British type. Range 1-2.
I. Dove Dale, *Smith, MSS.*
III. Tickenhall, *Harris;* Repton Rocks, *Hagger;* Breadsall Moor near Derby! near Calke Abbey, Bloxam! Dale, *Hassé.*

*Scleranthus perennis,* L. Is recorded in Repton F. and F.; an error!

## ORDER GROSSULARIACEÆ.

403. **Ribes nigrum,** L. (Black Currant). Denizen. Intermediate type. Range 1-2.
I. Wormhill, *West;* Chee Tor, *Hannan;* Blackwell Dale! Whatstandwell!
III. Repton, probably a garden escape, *Hagger;* Edlaston Coppy, *Linton.*

404. **Ribes rubrum,** L. (Red Currant). Denizen. Intermediate type. Range 1-2.
I. Mellor, *Hannan;* Monk's Dale and Chee Dale, where it seems a native, but is not *R. petræum,* which I am familiar with on Yorkshire limestone, *West.*
III. Foremark Bottoms, *Hagger.*

405. **Ribes alpinum,** L. Denizen. Intermediate type. Range 1-2-3.

I. Wormhill, 400 yards, *West;* Miller's Dale, *Whitelegg;* Dove Dale, *Purchas.*

406. **Ribes Grossularia,** L. (Gooseberry). Denizen. Intermediate type. Range 1-2.

I. Wormhill, *West;* Buxton, but not truly wild, *Baker, J. B.* Via Gellia, scattered bushes only, *B. and N., J. B.*; Whatstandwell!

II. Not uncommon at Chesterfield, *Waterfall.*

III. Horsley Castle near Derby, Burton-on-Trent, *Harris;* Heath Wood; Foremark, *Hagger;* apparently an escape about Calke, *Purchas, J. B.*

Var. **Uva crispa,** L.

I. Atlow; Head of Dove Dale, *Linton.*

## ORDER CRASSULACEÆ.

409. **Sedum Telephium,** L. (Great Stonecrop). Native. English type. Range 1-2.

I. Monk's Dale, 350 yards; Cromford, *West*; Taddington Wood; Chee Tor, *Baker, J. B.;* Lathkill Dale, *Green;* Dove Dale! Chrome Hill! Miller's Dale!

Var. **Fabaria,** Koch.

I. Dove Dale, sparingly, *B. and N.; J. B.*

412. **Sedum anglicum,** Huds. (White Stonecrop). Native. Atlantic type. Range 1.

I. Near Chatsworth; plentiful on the rocks, *Harris*; Via Gellia, *Waterfall.*

**Sedum album,** L. Alien.

I. Ashford-in-the-Water, *Harris*; Matlock Bath, *Whitelegg*; doubtless a garden escape, *B. and N., J. B.*

III. Milton, *Repton F. and F.*

414. **Sedum acre,** L. (Wall Pepper). Native. British type. Range 1-2-3.

I. Limestone cliffs, common up to 400 yards, *Baker, J. B.*

II. and III. Common on walls!

*Sedum dasyphyllum*, L. Alien.

Dethick, *Ch. Babington in N. B. G.*

**Sedum reflexum,** L. Alien.

I. Wall near Errwood Hall, near Buxton, *Green.*

III. Repton!

*Sedum rupestre*, Huds. Escape.

III. Bradley Wood, *Smith MSS.* Cricket field wall, Repton, *Repton F. and F.*; mistaken for the preceding!

**Sempervivum tectorum**, L. (House Leek). Alien.

III. Breadsall, near Derby!

418. **Cotyledon Umbilicus**, L. (Navelwort). Native. Atlantic type. Range 1.

III. Anchor Church, near Repton, *Playne.* "Found by the Rev. A. Bloxam, as recorded in N. B. G., p. 261, and on the authority of the Rev. Churchill Babington, p. 637," *Purchas, J. B.*

## ORDER SAXIFRAGACEÆ.

**Saxifraga Geum**, L. Alien.

I. Lovers' Leap, Buxton!

*Saxifraga aizoides*, L.

Is recorded in Bot. Guide from Derbyshire, Mr. L. Howard.

427. **Saxifraga granulata**, L. (Meadow Saxifrage). Native. British type. Range 1-2-3.

I. Ashover, *Bailey*; Wormhill (400 yards) and Buxton, *West*; dry banks up to 350 yards, *Baker, J. B.*; about Dove Dale, *Purchas, J. B.;* Via Gellia, *Waterfall.*

II. Near Long Eaton, *Atkinson.*

III. Normanton-by-Derby! Clifton, near Ashbourne; near Borrowash, *Hey in Smith MSS.*; Morley, *Whittaker*; near Melbourne, *Purchas, J. B.*

430. **Saxifraga tridactylites**, L. (Wall Rue). Native. British type. Range 1-2.

I. Common on walls up to 300 yards, *Baker, J. B.*

III. Common on walls, Boulton, &c.! Walls at Tickenhall, *Purchas, J. B.*

431. **Saxifraga hypnoides**, L. (Mossy Saxifrage). Native. Scottish type. Range 1-2.

I. Wormhill, *West*; (*S. sponhemica*, Gmel.) near Lovers' Leap, Buxton, and upon a hill above Miller's Dale, *Rogers*; Thorpe Cloud and Matlock, *Rowland*; Ashwood Dale; Winnatts, Castleton, up to 350 yards, *Baker, J. B.*; Topley Pike and Dove Dale! Cressbrook Dale!

*Saxifraga cæspitosa: Muscosa*, Huds. non Linn., *Withering.*

I have variety of this, the S. decipiens of Smith, from Derbyshire, G. Howitt MSS. "Is not S. decipiens of Smith merely a variety of S. hypnoides? He first joined it, if I mistake not, with S. hirta, which is held to be a variety of

S. hypnoides by Hooker, Wilson, and others."—Note in N. B. G., p. 637, by H. Watson.

434. **Chrysosplenium oppositifolium,** L. (Golden Saxifrage). Native. British type. Range 1-2-3.

I. Mellor, *Hannan*; Miller's Dale, *Whitelegg*; up to 450 yards in Goyt's Clough, *Baker, J. B.*; Via Gellia, *B. and N., J. B.*; Lovers' Leap, Buxton! Dove Dale!

II. About Chesterfield, *Waterfall.*

III. Burton-on-Trent, *Harris*; Dale Abbey Woods! Morley! About Calke, *Purchas, J. B.*; Shirley, *Linton.*

435. **Chrysosplenium alternifolium,** L. Native. British type. Range 1-2.

I. Ashwood and Miller's Dales, *Whitelegg*; Dove Dale, and near Ashbourne, *Purchas*; Rowsley, *Hagger*; Via Gellia, *Waterfall*; Turnditch, *Whittaker.*

III. Wyaston Brook, *Smith*; Knowle Hills, *Hagger*; Milton, *Purchas, J. B.*; near Ockbrook, *Smith MSS.*; Copse, Peathays, and towards Clifton, *Linton.*

436. **Parnassia palustris,** L. (Grass of Parnassus). Native. Scottish type. Range 1-2-3.

I. Ascends up to 400 yards, *Baker, J. B.*; common throughout the district, especially at Matlock and Buxton! Hayfield, *Hannan*; not so common in Dove Dale, *Purchas, J. B.*

III. Reported to have been found at Milton; "now extinct," *Hagger.*

## ORDER ARALIACEÆ.

437. **Adoxa Moschatellina,** L. (Moschatel). Native. British type. Range 1-2.

I. Matlock Bath, *Rowland*; Monsal Dale!

II. About Chesterfield, *Waterfall.*

III. Winshill, *Harris*; Bretby, *Hagger*; Morley! Between Tickenhall and Ingleby, *Bloxam!* Shirley, *Linton*; Dale, *Hassé.*

438. **Hedera Helix,** L. (Ivy). Native. British type. Range 1-2-3.

Common on limestone cliffs up to 400 yards; a variety with deeply palmatifid leaves on the walls of Peveril Castle, *Baker, J. B.*; common throughout the county!

## ORDER CORNACEÆ.

439. **Cornus sanguinea,** L. (Dogwood). Native. English type. Range 1-2.

I. Miller's Dale ; Matlock, *West* ; up to 350 yards, *Baker* ; Cressbrook Dale ; Dove Dale !

II. Road to Staveley, *Waterfall.*

III. Bretby, *Hagger* ; Burton-on-Trent, *Harris* ; Mickleover ! Between Calke and Springwood, rather scarce in the district, *Purchas, J. B.* ; Brailsford, *Linton.*

## ORDER UMBELLIFERÆ.

441. **Hydrocotyle vulgaris,** L. (Penny Wort). Native. British type. Range 1-2.

I. Tansley Moor, *B. and N., J. B.* ; up to 350 yards just above Buxton, *Rogers.*

III. Near Burton-on-Trent, *Harris;* Morley Moor ! Marshy places about Calke, *Purchas, J. B.* ; Shirley, *Linton* ; near Dale, *Hassé.*

442. **Sanicula europæa,** L. (Sanicle). Native. British type. Range 1-2.

I. Woods over Matlock Bath, *B. and N., J. B.* ; Chapel-en-le-Frith ; Corbar Wood, Buxton, 350 yards, *Rogers* ; Via Gellia. Scarce about Dove Dale ; Biggin Dale, *Purchas, J. B.*

II. Common about Chesterfield, *Waterfall.*

III. Near Burton-on-Trent, *Harris;* Repton Shrubs ! Woods, &c., about Calke, *Purchas, J. B.* ; Shirley, *Linton.*

*Apium graveolens*, L., Pinxton. Mr. Coke in Pilkington.

*Cicuta virosa*, L. (Water Hemlock).

Once seen at Winster, *Milnes* ; recorded in *Repton F. and F.*, but no authority given. Very doubtful.

446. **Conium maculatum,** L. (Hemlock). Native. British type. Range 1.

I. Via Gellia, *B. and N., J. B.* ; banks of the brook near the Callow, Ashbourne, *Purchas, J. B.*

II. Common about Chesterfield, *Waterfall.*

III. Foremark ; Stapenhill, *Harris* ; Ockbrook, Breadsall, *Whittaker* ; between Middleton and Foremark; also sparingly at Calke, *Purchas, J. B.* ; Dale and Chaddesden, *Hassé.*

*Petroselinum segetum*, Koch. Casual. Cornfields, Winster Moor, *Milnes.*

**Petroselinum sativum,** Hoffm. Alien.

III. Horsley Castle, *Hassé.*

454. **Helosciadum nodiflorum,** Koch. Native. English type. Range 1-2-3.

I. Wye Valley up to Ashwood Dale; 300 yards, *Baker, J. B.*; Dove Dale; streams about Matlock, *B. and N., J. B.*; Wormhill, *West.*

II. Renishaw Canal, Chesterfield, *Waterfall.*

III. Gresley, *Harris*; common about Derby! Ockbrook, *Smith MSS.*; near Calke, *Purchas, J. B.*; Shirley, *Linton.* (*Var. repens*, Koch, reported in error from Miller's Dale!)

455. **Helosciadum inundatum,** Koch. Native. British type. Range 1.

II. With the preceding, *Waterfall.*

III. Near Burton-on-Trent, *Harris*; Swarkestone Bridge! "Pond by Swarkestone Bridge," Bloxam! Doubtless my habitat!

456. **Sison Amomum,** L. (Hedge Stonewort). Native. English type. Range 1.

III. Lullington, *Harris*; Spondon! Borrowash, *Hassé.*

457. **Ægopodium Podagraria,** L. (Goutweed). Denizen. British type. Range 1-2.

I. Dove Dale; Matlock Bank, up to 300 yards, *B. and N., J. B.*; weed at Buxton, *Rogers!* Turnditch!

II. About Chesterfield, *Waterfall.*

III. Burton-on-Trent, *Harris*; Ockbrook, *Smith MSS.*; waste places about Calke, *Purchas, J. B.*; Shirley, *Linton.*

*Carum carui*, L. Repton F. and F.; not seen by Mr. Hagger.

*Carum Bulbocastanum*, Koch. Derby. Glover's History.

461. **Bunium flexuosum,** With. (Earth Nut). Native. British type. Range 1-2.

Ascends to 350 yards, *Rogers*; common throughout the county!

462. **Pimpinella Saxifraga,** L. (Burnet Saxifrage). Native. British type. Range 1-2.

I. Common on limestone banks! Ascends to 400 yards, *Baker, J. B.*; seen with bright red flowers at Bonsall, *B. and N., J. B.*

II. About Chesterfield, *Waterfall.*

III. About Derby! Tickenhall Quarries, *Purchas, J. B.*; Shirley, *Linton.*

463. **Pimpinella magna,** L. (Greater Burnet Saxifrage). Native. English type. Range 1-2.

I. Common in all the limestone dales! Ascends up to 350 yards, *West*; Thorpe, *Linton.*

III. Ockbrook! Between Melbourne and King's Newton. Found also by Bloxam! In one spot at Calke, *Purchas, J. B.*

*Sium latifolium*, L. Repton F. and F., on authority of Dr. Hewgill. Not seen by anyone else!

465. **Sium angustifolium,** L. (Water Parsnip). Native. English type. Range 1-2.

I. Youlgreave, *Bailey*; Dove Dale!

II. Renishaw Canal, *Waterfall.*

III. About Burton-on-Trent, *Harris*; Canals, Derby! Near Calke Abbey, *Bloxam*! Not seen by me, *Purchas, J. B.*

470. **Œnanthe fistulosa,** L. Native. English type. Range 1.

II. Canal banks near Chesterfield, *Waterfall.*

III. Alvaston, *Smith*; Burton-on-Trent, *Harris*; Swarkestone Bridge! Near Calke Abbey, *Bloxam*! R. Derwent, near Spondon, *Hassé.*

*Œnanthe crocata*, L. Repton F. and F., on the authority of Dr. Hewgill; Swarkestone Bridge, *Bloxam in N. B. G.*

474. **Œnanthe Phellandrium,** Lam. (Horsebane). Native. English type. Range 1.

III. Swarkestone Bridge! Burton-on-Trent, *Harris.*

474.* **Œnanthe fluviatilis,** Coleman. Native. English type. Range 1.

III. Burton-on-Trent, *Harris.* Mr. Bloxam's specimen marked *Œ. Phellandrium* from the Trent belongs to this, which was not then recognised as a species, *Purchas, J. B.*

475. **Æthusa Cynapium,** L. (Fool's Parsley). Colonist. British type. Range 1-2.

I. Cultivated ground at Matlock, up to 300 yards, *B. and N., J. B.*; Dove Dale!

II. Common about Chesterfield, *Waterfall.*

III. About Burton-on-Trent, *Harris*; about Derby! About Calke, *Purchas, J. B.*; Shirley, *Linton.*

479. **Silaus pratensis,** Bess. (Pepper Saxifrage). Native. English type. Range 1.

III. Drakelowe, *Harris*; Ockbrook, *Smith*; between Melbourne and Derby: no note of the exact station, *Purchas, J. B.*; Bartlewood, Spondon, *Hassé.*

482. **Angelica sylvestris,** L. Native. British type. Range 1-2-3.

I. Lathkill Dale; Dove Dale, *Rowland*; woods up to 400 yards, *Baker, J. B.*; about Buxton and Matlock Bath, frequent!

II. Common about Chesterfield, *Waterfall.*

III. About Burton-on-Trent, *Harris*; about Derby! About Stanley's, Calke, *Purchas, J. B.*; Shirley, *Linton.*

*Peucedanum palustre*, Moench.
*Repton F. and F.* No authority. Not known.

**Pastinaca sativa,** L. (Common Parsnip). Colonist. English type. Range 1.
III. Near Chaddesden Sidings; probably a garden escape!

487. **Heracleum Sphondylium,** L. (Cow Parsnip). Native. British type. Range 1-2-3.
Common throughout the county! Ascends to 500 yards, *Baker, J. B.*; a variety with narrow leaves, Miller's Dale, *Whitelegg.*

*Tordylium maximum*, L.
Dove Dale. *Dr. Johnson in Pilkington.*

489. **Daucus Carota,** L. (Wild Carrot). Native. British type. Range 1-2.
I. Matlock Bath, *Rowland*; Dove Dale!
II. Common about Chesterfield, *Waterfall.*
III. Calke and Repton, *Hagger*; near Burton-on-Trent, *Harris.*

*Caucalis daucoides*, L.
*Repton F. and F.* No authority. Not known!

493. **Torilis Anthriscus,** Gaertn. (Hedge Parsley). Native. British type. Range 1-2.
I. Dove Dale; common about Matlock, ascending to 350 yards on Heights of Abraham, *B. and N., J. B.*
III. Common!

494. **Torilis infesta,** Spring. Colonist. English Type. Range 1.
"Topographical Botany." *Howitt Cat.* Shipley, *Howitt in N. B. G.*; recorded from Dove Dale in *Nat. Hist. of Tutbury*, but not seen by Mr. Purchas. This and the following are recorded in *Repton F. and F.*, but have not been seen by Mr. Hagger.

495 **Torilis nodosa,** Gaertn. Native. English type. Range 1.
" Topographical Botany," *Howitt Cat.*

496. **Scandix Pecten Veneris,** L. (Shepherd's Needle). Colonist. British type. Range 1-2.
I. Monsal Dale, *Whitelegg.*
II. Frequent about Chesterfield, *Waterfall.*
III. Breadsall, *Whittaker*; occasionally about Repton, *Hagger*; sparingly found by Bloxam! *Purchas, J. B.*

497. **Anthriscus vulgaris,** Pers. Native. British type. Range 1.

II. Common about Chesterfield; limestone cliffs in Markland Grips, near Clowne, *Waterfall.*

III. Stanton-by-Bridge; Swarkestone, and sparingly at Tickenhall, *Purchas, J. B.*

498. **Anthriscus sylvestris,** Hoffm. (Wild Chervil). Native. British type. Range 1-2-3.

I. Frequent about Matlock, *B. and N., J. B.*; ascends to 400 yards at Buxton, *Baker, J.B.*; common!

III. Common!

500. **Chærophyllum temulum,** L. (Rough Chervil). Native. British type. Range 1-2-3. Common throughout the county! Ascends to 400 yards over Castleton, *Baker, J. B.*

501. **Myrrhis odorata,** Scop. (Sweet Cicely). Denizen. Intermediate type. Range 1-2.

I. Tideswell; Burbage; and near the Ebbing and Flowing Well; up to 400 yards, *Baker, J. B.*; Matlock Bath, *Harris*; Miller's Dale; Cromford and Whatstandwell!

III. Breadsall, near Derby, *Whittaker*; Edlaston, near Ashbourne, *Smith MSS.*

## Division III. COROLLIFLORÆ.

### ORDER LORANTHACEÆ.

503. **Viscum album,** L. (Mistletoe). Native? English type. Range 1.

III. Morley, in orchards, *Whittaker.*

### ORDER CAPRIFOLIACEÆ.

504. **Sambucus nigra,** L. (Elder). Native. British type. Range 1-2.

I. Wye Valley, up to 300 yards, *Baker, J. B.*; frequent!

II. III. Common!

505. **Sambucus Ebulus,** L. (Dwarf Elder). Denizen. English type. Range 1.

I. Alport, *Bailey.*

III. Brailsford, Mr. C. B. Kingdon, com^d. *Linton.*

506. **Viburnum Opulus,** L. (Guelder Rose). Native. British type. Range 1-2.

I. Charlesworth, *Hannan*; Monk's Dale, 350 yards, *West*; Wye Valley, up to Chee Tor, *Baker, J. B.*; Dove Dale; Matlock, 300 yards, *B. and N., J. B.*; Cressbrook Dale!

II. Chesterfield, *Waterfall.*

III. Morley, *Whittaker*; Repton, *Hagger*; Newton Solney, *Green*; Breadsall! Woody places, Calke, *Purchas, J. B.*; Shirley, *Linton.*

*Viburnum Lantana*, L.

Repton Shrubs, *Repton F. and F.* Wants confirmation. Measham; *Nat. Hist. Tutbury.*

508. **Lonicera Periclymenum,** L. (Honeysuckle). Native. British type. Range 1-2.

Common! Ascends to 300 yards, *Baker, J. B.*

**Lonicera Xylosteum,** L. Alien.

I. Wormhill, *West.*

III. Calke, *Candler.*

## ORDER RUBIACEÆ.

513. **Galium verum,** L. (Lady's Bedstraw). Native. British type. Range 1-2-3.

Common throughout the county! Ascends up to 400 yards, *Baker, J. B.*

514. **Galium cruciatum,** L. (Crosswort). Native. British type. Range 1-2-3.

Common throughout the county! Ascends up to 400 yards, *Baker, J. B.*

515. **Galium palustre,** L. (Marsh Bedstraw). Native. British type. Range 1-2-3.

I. Common in wet places! Swamps, 500 yards on Axe Edge, *Baker, J. B.*

II. Common about Chesterfield, *Waterfall.*

III. Wet places about Derby! Calke and elsewhere, *Purchas, J. B.*; Shirley, *Linton.*

516. **Galium uliginosum,** L. Native. British type. Range 1.

I. Axe Edge; an error!

III. Wyaston Brook, *Smith MSS.*; bog at Foremark Park, Bloxam! *Repton F. and F.*; wants confirmation.

517. **Galium saxatile,** L. (Mountain Bedstraw). Native. British type. Range 1-2-3.

Common on heaths! Ascends to 550 yards, *Baker, J. B.*

518. **Galium erectum,** Huds. Native. English type. Range 1.

"Topographical Botany." *Howitt Cat.* Heanor, *Howitt in N. B. G.*

519. **Galium Mollugo,** L. (Hedge Bedstraw). Native. English type. Range 1.

I. Winster, *Milnes.*

III. Copse Hill, Osmaston, *Smith MSS.*; near Melbourne, on the road by Stanton-by-Bridge, *Purchas, J. B.*; roadside beyond Yeldersley Common, Rev. W. H. Purchas, com^d. *Linton. Repton F. and F.*; wants confirmation.

520. **Galium sylvestre,** Poll. Native. Intermediate type. Range 1-2-3.

I. Wormhill, *West*; Ashford Dale, *Whitelegg*; ascends to 400 yards at Peveril Castle, *Baker, J. B.*; about Matlock, *B. and N., J. B.*; Ashwood Dale! Winnatts and Cave Dale, Castleton! Lathkill Dale; Monsal Dale, Dove Dale, *Smith MSS.*

Var. **nitidulum,** Thuill.

I. Near Castleton, *Whitehead.*

*Galium anglicum*, Huds.

Winshill, *Nat. Hist. Tutbury.*

*Galium tricorne.* With. Colonist.

Cornfields, *Smith MSS.*

523. **Galium Aparine,** L. (Goose Grass). Native. British type. Range 1-2-3.

Common in hedges! Ascends up to 450 yards, *Baker, J. B.*

526. **Sherardia arvensis,** L. (Field Madder). Colonist. British type. Range 1-2.

I. Miller's Dale, *West*; Dove Dale, *Rowland*; Lathkill Dale!

II. Common about Chesterfield, *Waterfall.*

III. Drakelowe and Linton, *Harris*; Repton, *Hagger*; near Derby! Ockbrook, *Smith MSS.*; Shirley, *Linton*; Spondon, Dale, Alvaston, *Hassé.*

527. **Asperula odorata,** L. (Woodruff). Native. British type. Range 1-2.

I. Moors and Heaths; Chee Tor, 250 yards, *Baker, J.B.*; Matlock Bath, *Rowland.*

II. Common about Chesterfield, *Waterfall.*

III. Repton Shrubs, *Harris*; Heath-End, *Purchas, J. B*; Shirley, *Linton.*

## ORDER VALERIANACEÆ.

**Centranthus ruber,** D. C. (Red Valerian). Alien. An occasional straggler from gardens.

I. Rocks near Litton Mill, *Sunderland.*

531. **Valeriana dioica,** L. Native. English type. Range 1-2-3.

I. Axe Edge, *Green*; Via Gellia! Ashwood Dale!

III. Morley, *Whittaker*; Drakelowe, *Harris*; Milton near Repton, *Hagger*; Dimminsdale, Calke, *Purchas, J. B.*; Shirley, *Linton*; Breadsall, *Hassé.*

532. **Valeriana officinalis,** L. (Valerian). Native. British type. Range 1-2-3.

I. All the dales about Buxton! Dove Dale! Frequent about Matlock, *B. and N., J. B.*; ascends up to 350 yards, *Baker, J. B.*

II. Common about Chesterfield, *Waterfall.*

III. Burton-on-Trent, *Harris*; Ockbrook, *Smith MSS.*; Shirley, *Linton.*

Var. **sambucifolia,** Auct. Angl.

Woody places, Calke, *Purchas, J. B.*

534. **Valerianella olitoria,** Moench. (Lamb's Lettuce). Colonist. British type. Range 1-2-3.

I. Matlock Bath! Wormhill, 400 yards, *West.*

II. Common about Chesterfield, *Waterfall.*

III. Cauldwell, *Harris*; Stanton-by-Bridge, perhaps an escape, but well established, *Purchas, J. B.*

536. **Valerianella Auricula,** D. C. Colonist. English type. Range 1-2.

I. Monsal Dale, *Smith MSS.*

III. Ockbrook; Locko Park, *Smith MSS.*

**Valerianella carinata,** Lois. Casual; an escape from cultivation.

I. Dove Dale, *Smith MSS.*

537. **Valerianella dentata,** Koch. Colonist. English type. Range 1.

I. Miller's Dale, *West.*

III. Cauldwell, *Harris*; Repton Waste, *Hagger*; Morley! Ockbrook! Fields on the west side of Calke Park, very abundantly, *Bloxam*! In a field near Archer's Pool, White Hollows, *Purchas, J. B.*

*Valerianella eriocarpa,* Desv.

Dove Dale, *Ch. Babington in N. B. G.*

## ORDER DIPSACEÆ.

539. **Dipsacus sylvestris,** L. (Teazle). Native. British type. Range 1.

II. Common about Chesterfield, *Waterfall.*

III. Tickenhall, *Hagger*; Chaddesden! Swarkestone Bridge! Ockbrook, *Hassé*.

540. **Dipsacus pilosus,** L. (Small Teazle). Native. English type. Range 1-2.

I. Via Gellia, *Whitelegg*; Cromford Valley, *B. and N.*, *J. B.*; Dove Dale, *Macefield*.

III. Newton Solney, *Harris*.

*Dipsacus fullonum*, Mill.

Derby, *Pilkington's History*.

541. **Scabiosa succisa,** L. (Devil's-bit Scabious). Native. British type. Range 1-2-3.

I. Matlock Bath; Bonsall; Slaley, *Rowland*; Miller's Dale! Wormhill! Dove Dale! Ascends up to 400 yards, *Baker*, *J. B.*

II. Common about Chesterfield, *Waterfall*.

III. Gresley, *Harris*; Ockbrook! Calke fields, rather scarce, *Purchas*, *J. B.*

542. **Scabiosa columbaria,** L. Native. English type. Range 1-2-3.

I. Wormhill, *West*; Matlock Bath; Slaley; Bonsall, *Rowland*; Ashwood Dale! Dove Dale! Common up to 400 yards, *Baker*, *J. B.*

III. *Repton F. and F.*; now extinct.

543. **Knautia arvensis,** Coult. (Field Scabious). Native. British type. Range 1-2-3.

Common on dry banks! Ascends up to 400 yards, *Baker*.

## ORDER COMPOSITÆ.

544. **Tragopogon pratensis,** L. (Goat's Beard). Native. British type. Range 1-2-3.

I. Hillside, Matlock Bridge, *B. and N.*, *J. B.*; top of Diamond Hill, 400 yards, Buxton, *Rogers*; Rowsley, *Hagger*.

II. About Chesterfield, *Waterfall*.

III. Stapenhill, *Harris*; Breadsall! Ockbrook! Calke, *Bloxam*! Shirley, *Linton*; Spondon, *Hassé*.

*Tragopogon porrifolius*. L.

Matlock Bath and Bonsall. *Glover's History and Gem of the Peak*.

546. **Helminthia echioides,** Gaertn. (Ox-tongue). Colonist. English type. Range 1.

I. Near Winster, *Milnes*.

III. Near Swarkestone, *Purchas*; I fear now extinct! Seen here also by *Mr. Hassé*.

547. **Picris hieracioides,** L. Native. English type. Range 1-2.

I. Ashwood Dale; Taddington Wood, 300 yards, *Baker, J. B.*; Miller's Dale! Cressbrook Dale! Dove Dale! Between Ashbourne and Thorpe, *Linton*; Matlock, *B. and N., J. B.*

III. Newton Solney, *Harris*; cultivated ground about Derby! Near the Ashby Lodge, Calke, *Bloxam*! Near Ockbrook, *Hassé.*

548. **Leontodon hirtus,** L. Native. English type. Range 1-2.

I. Charlesworth, *Whitehead*; hillside, Miller's Dale, *Rogers*; Middleton Common, Wirksworth, *Milnes.*

III. Heathy places about Calke, *Purchas, J. B.*; not seen about Repton, *Hagger.*

549. **Leontodon hispidus,** L. (Great Hawkbit). Native. English type. Range 1-2-3.

Common on heaths, banks, &c.! Ascends up to 400 yards, *Baker, J. B.*

550. **Leontodon autumnalis,** L. (Lesser Hawkbit). Native. British type. Range 1-2-3.

Common on heaths, &c.! Ascends up to 500 yards on Axe Edge, *Baker, J. B.*; not seen by Mr. Bloxam and Mr. Purchas about Calke.

553. **Hypochœris radicata,** L. (Cat's Ear). Native. British type. Range 1-2-3.

I. Tansley; Riber; Matlock Bath, *Rowland*; Dove Dale, *B. and N., J. B.*; ascends to 400 yards at Burbage, *Baker, J.B.*

II. Common at Chesterfield, *Waterfall.*

III. Gresley, *Harris*; Ockbrook; pastures about Calke, *Purchas, J. B.*; Shirley, *Linton.*

554. **Lactuca virosa,** L. (Wild Lettuce). Native. Germanic type. Range 1.

III. Near Stanton-by-Bridge, where it was noticed both by the Rev. Churchill Babington (N. B. G., p. 638), and by the Rev. W. H. Coleman, *Purchas, J. B.*; I failed to find it, but Mr. Purchas thinks it may reappear. It was also seen here by Mr. Purchas during several seasons. Formerly between Derby and Borrowash, *Hassé.*

557. **Lactuca muralis,** Less. (Rock Lettuce). Native. English type. Range 1-2-3.

I. Common on limestone up to 400 yards, *Baker, J. B.*

II. Walls, Bolsover Castle, *Waterfall.*

III. Winshill, *Harris*; Morley, Edlaston, *Linton.*

559. **Sonchus arvensis,** L. (Corn Sowthistle). Colonist. British type. Range 1-2.

I. Dove Dale and Matlock, *B. and N.*, *J. B.*; Monsal Dale!

II. About Chesterfield, *Waterfall.*

III. Stapenhill, *Harris*; Ockbrook! about Calke, *Purchas*, *J. B.*; Shirley, *Linton.*

Var. **glabra,** L. C.

III. Shirley, *Linton.*

560. **Sonchus asper,** Hoffm. (Sow Thistle). Native. British type. Range 1-2.

I. Common up to 350 yards, *Baker*, *J. B.*

II. About Chesterfield, *Waterfall.*

III. Stapenhill, *Harris*; Chellaston! Swarkestone! About Calke, *Purchas*, *J. B.*; Shirley, *Linton.*

561. **Sonchus oleraceus,** L. (Sow Thistle). Native. British type. Range 1-2.

I. Dove Dale, *B. and N.*, *J. B.*; common up to 350 yards, *Baker*, *J. B.*; Via Gellia and Cromford, *Milnes.*

II. About Chesterfield, *Waterfall.*

III. Repton, *Hagger*; about Calke, *Bloxam*! Shirley, *Linton.*

*Crepis setosa*, Hall. fil.

Willesley, *Nat. Hist. Tutbury.*

**Crepis nicænsis,** Balb. Alien.

III. Shirley, *Linton.*

563. **Crepis virens,** L. (Hawk's Beard). Native. British type. Range 1-2-3.

Common everywhere! Ascends up to 450 yards, *Baker*, *J. B.*

567. **Crepis paludosa,** Moench. (Marsh Hawk's Beard). Native. Scottish type. Range 1-2.

I. Charlesworth, *Whitehead*; Wye Valley, *Baker*, *J. B.*; Grin Wood, Buxton, over 350 yards, *Rogers*; near the source of the Dove, and, I think, on the Derbyshire side of the stream, but ceasing when the limestone is reached, *Purchas*, *J. B.*

III. Fields, Osmaston-by-Ashbourne, *Smith MSS.*; Meadows near Shirley Mill; and by the Ash Cover, *Linton.*

568. **Hieracium Pilosella,** L. (Mouse-ear Hawkweed). Native. British type. Range 1-3.

I. Common up to 500 yards, *Baker*, *J. B.*

III. Common on heaths! Dry banks, especially on limestone, *Purchas*, *J. B.*

A form of this plant, tending towards the variety *Peleterianum*, has been found in Dove Dale by Mr. Purchas, Report E. C. B. I., 1887, p. 184.

*Hieracium dubium*, Sm.
Coxbench Wood, *Dr. Johnson in Pilkington.*

*H. Stoloniferum*, Fr. was found a few years since in Ockbrook Churchyard by the late Rev. G. E. Smith, but Mr. Hassé failed to find it last year.

572. **Hieracium murorum,** L. pt., (Back). Native. British type. Range 1-2.
I. Miller's Dale, *Searle*; Priestcliffe Lees, High Field, where it was pointed out to me by *Mr. Purchas*; Ashwood Dale! Chee Dale!

572.* **Hieracium cæsium,** Back. var. **Smithii,** Baker.
I. Ashwood Dale, 300-350 yards, *Baker, J. B.*; Blackwell Dale and Monsal Dale, *Whitelegg*; Castleton, *Whitehead*; Dove Dale!

**Hieracium flocculosum,** Back.
A plant similar to this in some respects was gathered by me in Mill Dale above Dove Dale, and is mentioned here in the hope that at some future time the proper place for it may be found in our English Flora.

573.* **Hieracium vulgatum,** Fries.
I. Ascends to 450 yards in Goyt's Clough, *Baker, J. B.*; Matlock, *B. and N., J. B.*; type and form "*H. rosulatum*," Dove Dale, *Purchas, J. B.*; Miller's Dale, *West*; Monsal Dale!
III. Repton (*H. sylvaticum*, Sm.)! Dale and Morley, *Hassé*; Anchor Church, *Bloxam*! Shirley, *Linton.*

Vars. **rubescens,** Back, and **nemorosum,** Back.
I. Ashwood Dale!

575. **Hieracium pallidum,** Fries. Native. Scottish type. Range 1-2.
I. Cressbrook Dale! Ashwood Dale! Dove Dale, *Dr. Fraser.* Possibly the nomenclature of the plants thus designated, as well as those recorded as *H. murorum* and *H. cæsium*, var., may have to be changed on the publication of Mr. Hanbury's "Monograph," and as our knowledge of this genus increases.

575.* **Hieracium argenteum,** Fries. Native. Scottish type. Range 2.
I. Near Matlock Bath! fide *F. J. Hanbury.*

579. **Hieracium prenanthoides,** Vill. Native. Highland type. Range 2.

I. Miller's Dale, *Whitelegg.* I have found it only in Chee Dale!

582. **Hieracium tridentatum,** Fries. Native. English type. Range 1.

I. Ashwood Dale!

584. **Hieracium umbellatum,** L. Native. English type. Range 1-2.

I. Valley of the Goyt! Charlesworth Coombs, *Hannan*; on the Yoredale Rocks of the upper part of the Dove Valley, *Purchas, J. B.*

III. Eggington, *Harris*; Willington! Near Edlaston, *Smith MSS.*

584.* **Hieracium boreale,** Fries. Native. British type. Range 1-2.

I. Common in woods and on heaths! Ascends up to 300 yards, *Baker, J. B.*

III. Coxbench Wood, near Derby! Heath End, Calke, *Purchas, J. B.*; Shirley; Bradley, *Linton.*

*Hieracium rigidum* is entered *Smith MSS.* as growing at Osmaston, but the specimen preserved at University College, Nottingham, is an abnormal one, and may represent only *H. vulgatum*, fide *F. J. Hanbury.*

*H. subaudum* of Repton F. and F.

588. **Taraxacum officinale,** Wigg. (Dandelion). Native. British type. Range 1-2-3.

Var. **Dens-leonis,** Desf. Common everywhere! Ascends up to 500 yards, *Baker, J. B.*

Var. **erythrospermum,** Andrz.

III. Shirley, *Linton.*

Var. **palustre,** D. C.

I. Ascends to 500 yards in swamps of Axe Edge, *Baker, J. B*; in a swampy part of Dove Dale, *Purchas, J. B.*

III. About Shirley Brook, *Linton.*

Var. **udum,** Jord.

III. Shirley, *Linton.*

590. **Lapsana communis,** L. (Nipplewort). Native. British type. Range 1-2-3.

Common throughout the county! Ascends up to 400 yards over Castleton, *Baker, J. B.*

591. **Cichorium Intybus,** L. (Wild Chicory). Colonist. English type. Range 1.

III. Repton, a small quantity found only once, *Hagger*; Sawley, a single plant found, *Atkinson*; Clover Fields, Osmaston-by-Ashbourne, near Hopwell Hall, *Hey. Smith MSS.* At the Dimminsdale Lime Yard, Calke, *Purchas, J. B.*

*Arctium majus,* Schk., Repton F. and F., doubtful.

592. **Arctium minus,** L. (Burdock). Native. British type. Range 1-2.

I. Miller's Dale, *Baker, J. B.*; Dove Dale; Matlock, *B. and N., J. B.*; Strine's Wood, Cromford, *Bailey*; Ashwood (300 yards) and Monsal Dales! the Winnatts, Castleton! Several of these habitats have been assigned in error to *A. majus*! Lathkill Dale, *Searle.*

II. Common about Chesterfield, *Waterfall.*

III. Woods, Calke, *Purchas, J. B.*; Shirley, *Linton.*

592.* **Arctium nemorosum,** Lej. *Arctium intermedium,* Lange. Native. British type. Range 1.

"Topographical Botany." Queried.

594. **Serratula tinctoria,** L. (Saw-wort). Native. English type. Range 1-2.

I. Buxton, *Hannan*; Wormhill, 350 yards; Matlock, *West*; Miller's Dale, *Rogers*; Bakewell, *Milnes.*

III. Repton Shrubs, *Harris*; Etwall Road, Repton, *Hagger*; near Osmaston Church and Ockbrook, *Smith MSS.*; between Peathays Copse and Rodsley, *Linton.*

595. **Carduus nutans,** L. (Musk Thistle). Native. English type. Range 1-2-3.

Common everywhere! Ascends up to 500 yards, *Baker, J. B.*

596. **Carduus crispus,** L. Native. British type. Range 1-2-3.

Common! Ascends up to 400 yards above Castleton, *Baker, J. B.*

Var. **acanthoides,** L.

I. Ashwood Dale and Castleton!

III. Clifton, *Smith MSS.*; about Calke, *Purchas, J. B.*; Weston Cliff, *Hassé.*

599. **Carduus lanceolatus,** L. (Spear Thistle). Native. British type. Range 1-2-3.

Very common! Ascends up to 500 yards, *Baker, J. B.*

600. **Carduus eriophorus,** L. Native. English type. Range 1.

I. Via Gellia, *H. W. in N. B. G.*
III. Stanton Moor, *Hassé.*

601. **Carduus palustris,** L. (Marsh Thistle). Native. British type. Range 1-2-3.
Common in swampy places! Ascends to 450 yards, *Rogers.*

602. **Carduus arvensis,** Curt. (Field Thistle). Native. British type. Range 1-2-3.
Common everywhere! Up to 500 yards, *Baker, J. B.*

*Carduus pratensis*, Huds.
Repton F. and F., not seen, *Hagger.*

607. **Carduus heterophyllus,** L. (Great Plume Thistle). Native. Scottish type. Range 1-2-3.
I. Monk's Dale, *West*; Lovers' Leap, Buxton, *Bailey*; Burbage, near Buxton, 400 yards, *Baker, J. B.*; Ashwood, Cressbrook and Monsal Dales! Corbar Wood, Buxton! Dove Dale and Berresford Dale, *Purchas, J. B.*

*Onopordum Acanthium* (Scotch Thistle). Alien.
*Repton F. and F.*; wants confirmation.

**Carduus marianus,** L. Garden escape.
III. Near Repton, *Hagger.*

609. **Carlina vulgaris,** L. Native. English type. Range 1-2-3.
I. Blackwell Dale, *Bailey*; Wormhill, *West*; from Monsal Dale to Burbage, 400 yards, *Baker, J. B.*; Dove Dale; Matlock Tor, *B. and N., J. B.*; Axe Edge!
III. Tickenhall Quarry, *Hagger.*

611. **Centaurea nigra,** L. (Knapweed). Native. British type. Range 1-2-3.
Ascends to 450 yards in Goyt's Clough, *Baker, J. B.*; a form approaching to *decipiens* is found in dry places near Matlock, *B. and N., J. B.*; common throughout the county!

612. **Centaurea Cyanus,** L. (Corn Bluebottle). Colonist. British type. Range 1-2.
I. Grange Mill, *Rowland.*
II. About Chesterfield, *Waterfall.*
III. Repton, *Hagger*; Breadsall Cornfields, *Whittaker.*

613. **Centaurea Scabiosa,** L. (Great Knapweed). Native. British type. Range 1-2.
I. Wormhill, Matlock, *West*; Brassington Rocks, *Rowland*; with white flowers, *Purchas, J. B.*; ascends up to 350 yards, *Baker, J. B.*; Ashwood Dale! Topley Pike! Cressbrook Dale! Dove Dale!

III. Tickenhall Quarry, *Bloxam*! Behind Ednaston Lodge, *Linton*.

617. **Bidens cernua,** L. Native. English type. Range 1.
III. Crew's Pond, Repton, *Hagger*; Locko Park, near Derby! Ponds at Calke, *Purchas, J. B.*

618. **Bidens tripartita,** L. Native. English type. Range 1.
II. Renishaw Canal, *Waterfall*.
III. Burton-on-Trent, *Harris*; Twyford, *Hagger*; Canals, Derby! Calke, *Bloxam*!

619. **Eupatorium cannabinum,** L. (Hemp Agrimony). Native. British type. Range 1-2.
I. Woods about Matlock, up to 300 yards, *B. and N., J. B.*; Wye Valley, up to 250 yards, *Baker, J. B.*; Ashwood Dale, *Green*; Bakewell, *West*; Lathkill Dale, *Rowland*; Monsal Dale! Dove Dale!
III. Burton-on-Trent, *Harris*; Calke, *Purchas, J. B.*

625. **Artemisia Absinthium,** L. (Wormwood). Denizen. English type. Range 1-2.
I. Banks of R. Derwent, Cromford, *Milnes*; at nearly 350 yards near a farmhouse above the Miller's Dale Station, *Rogers*.
III. Mackworth, *Smith MSS.*

626. **Artemisia vulgaris,** L. (Mugwort). Native. British type. Range 1-2.
I. Frequent about Matlock, *B. and N., J. B.*; Buxton, only in gardens, 350 yards, *Rogers*; absent from Dove Dale, but occurs on the New Red Sandstone E. of Ashbourne, *Purchas, J. B.*
III. R. Derwent, Derby! Clifton &c.; Spondon Station, *Smith MSS.*; Burton-on-Trent, *Harris*.

627. **Gnaphalium dioicum,** L. (Cat's Foot). Native. Scottish type. Range 2-3.
I. Glossop, *West*; Diamond Valley, Burbage; Buxton, *Green*; Axe Edge, *Wild*.

630. **Gnaphalium sylvaticum,** L. Native. British type. Range 1-2.
I. Stirrup Wood, Charlesworth, *Hannan*; Coombes Moss, Buxton, *Green*; Newhaven!
III. Osmaston-by-Ashbourne, *Smith MSS.*

632. **Gnaphalium uliginosum,** L. Native. British type. Range 1-2-3.
I. Whatstandwell, *B. and N., J. B.*; Fairfield Common, Buxton, 400 yards, *Baker, J. B.*

II. About Chesterfield, *Waterfall.*

III. About Burton-on-Trent, *Harris*; Chellaston! Morley Moor! About Calke, *Purchas, J. B.*; Locko; Elvaston, *Hassé.*

*Filago minima*, Fries. = Gnaphalium arvense of Repton F. and F. Not seen.

635. **Filago germanica,** L. (Cudweed). Native. British type. Range 1.

II. About Chesterfield, *Waterfall.*

III. Repton, *Hagger*; fields and dry banks about Calke, *Purchas, J. B.*

636. **Petasites vulgaris,** Desf. (Butter-bur). Native. British type. Range 1-2.

Abundant by streams! Ascends up to 300 yards, *Baker, J. B.*

637. **Tussilago Farfara,** L. (Coltsfoot). Native. British type. Range 1-2-3.

Common everywhere! Ascends up to 500 yards, *Baker, J. B.*

639. **Erigeron acris,** L (Fleabane). Native. English type. Range 1.

III. Norbury, *Smith MSS.*

642. **Solidago Virgaurea,** L. (Golden Rod). Native. British type. Range 1-2-3.

I. Cliffs up to 450 yards, *Baker, J. B*; woods about Buxton and Matlock!

II. Cresswell Crags, &c., *Waterfall.*

III. Gresley, *Harris*; Dale, *Hassé.*

Var. **cambrica,** Huds.

I. Topley Pike, *Green*; teste, *Baker.*

643. **Senecio vulgaris,** L. (Groundsel). Native. British type. Range 1-2-3.

Abundant everywhere! Ascends up to 450 yards, *Baker.*

644. **Senecio sylvaticus,** L. Native. British type. Range 1.

I. On coarse Millstone Grit about Birchover and Stanton; notably at Robin Hood's Stride, *Purchas, J. B.*

II. Common about Chesterfield, *Waterfall.*

III. Willington! Breadsall Moor! Melbourne and Repton Rocks, *Purchas, J. B.*

*Senecio viscosus*, L. Cotmanhay, *Howitt in N. B. G.*

647. **Senecio erucifolius,** L. Native. English type. Range 1.

I. Matlock Bridge, *Hannan*; roadside between Tissington and the Peveril Inn, Dove Dale, *B. and N.*, *J. B.*; near Darley Moor, *Linton.*

II. Hedgebanks near Chesterfield, *Waterfall.*

III. White Hollows, Tickenhall; usually shows a preference for limestone, but there it grows on the yellow coal-measures clay soil, *Purchas*, *J. B.*

648. **Senecio Jacobæa,** L. (Ragwort). Native. British type. Range 1-2-3.

Common everywhere! Ascends up to 500 yards, *Baker*, *J. B.*

649. **Senecio aquaticus,** Huds. (Marsh Ragwort). Native. British type. Range 1-2.

Abundant by streams and in marshy places!

*Senecio saracenicus*, L.

Chatsworth; between Chesterfield and Sheffield, *N.B.G.*

**Doronicum Pardalianches,** L. (Leopard's Bane). Alien.

I. Wormhill, *West*; Ashover, *Bailey.*

656. **Inula Conyza,** D. C. (Ploughman's Spikenard). Native. English type. Range 1-2.

I. Miller's Dale, 250 yards, *Baker*, *J. B.*; Via Gellia, Matlock Tor, *B. and N.*, *J. B.*; Lovers' Walks, Matlock Bath! Monsal Dale! Near Cressbrook Dale!

658. **Pulicaria dysenterica,** Gaertn. Native. English type. Range 1-2.

I. Wye Valley, up to 250 yards at Chee Tor, *Baker*, *J. B.*; Tissington; Whatstandwell, *B. and N.*, *J. B.*; Matlock Bath; Thorpe, *Rowland*; about Bugsworth, *Rogers.*

II. Renishaw Canal, &c., *Waterfall*,

III. Common about Derby! About Calke, *Purchas*, *J. B.*

660. **Bellis perennis,** L. (Daisy). Native. British type. Range 1-2-3.

Common everywhere! Ascends up to 500 yards, *Baker*, *J. B.*

661. **Chrysanthemum segetum,** L. (Corn Marigold). Colonist. British type. Range 1.

II. About Chesterfield, *Waterfall.*

III. Milton, near Repton, *Hagger*; Drakelowe, *Harris*; Normanton-by-Derby! Near Breadsall, *Hey in Smith MSS.*; Near Dale; Horsley; Morley, *Hassé.*

662. **Chrysanthemum Leucanthemum,** L. (Ox-eye Daisy). Native. British type. Range 1-2-3.

Common everywhere! Ascends to 450 yards, *Baker*, *J. B.*; a form with many heads to a stem, and more deeply-cut leaves, Whatstandwell, *B. and N.*, *J. B.*

663.* **Tanacetum vulgare,** L. (Tansy). Native. British type. Range 1-2.

I. Between Matlock Bath and Bonsall, *Rowland*; banks of R. Derwent, Matlock, *B. and N.*, *J. B.*

II. Common about Chesterfield, *Waterfall.*

III. Eggington, *Harris*; Milton; Repton, *Hagger*; R. Derwent, Derby! Between Milton and Foremark, possibly an escape, *Purchas*, *J. B.*

**Pyrethrum Parthenium,** Sm. (Feverfew). Alien.

I. Brambley, *Bailey*; Dove Dale; Matlock; Tideswell, an escape, *B. and N.*, *J. B.*; Burbage, near Buxton!

III. Newton Solney, *Harris*; Swarkestone! On an old wall at Tickenhall, *Purchas*, *J. B.*; Morley; Stanton-by-Dale, *Hassé.*

664. **Pyrethrum inodorum,** Sm. Native. British type. Range 1-2.

I. Baslow, *Bailey*; Matlock, cultivated ground up to 300 yards, *B. and N.*, *J. B.*; Chapel-en-le-Frith, *Rogers.*

II. About Chesterfield, *Waterfall.*

III. Burton-on-Trent, *Harris*; Morley! Calke, *Purchas*, *J. B.*

665. **Matricaria Chamomilla,** L. (Wild Camomile). Colonist. English type. Range 1.

I. Ambergate, and II., Chesterfield, *Milnes.*

III. Repton, *Hagger*; Calke, *Purchas*, *J. B.*

667. **Anthemis nobilis,** L. Native. English type. Range 1-2.

I. Tansley Moor, *Milnes.*

III. Ockbrook! Morley Moor!

668. **Anthemis arvensis,** L. (Corn Camomile). Colonist. English type. Range 1-2.

I. Roadside, Miller's Dale, 250 yards, *Baker*, *J. B.*

II. About Chesterfield, *Waterfall.*

669. **Anthemis Cotula,** L. Colonist. English type. Range 1-2.

I. Chapel-en-le-Frith, *Whitehead*; Miller's Dale, 250 yards, *Rogers.*

III. Cornfields about Calke, *Purchas*, *J. B.*

670. **Achillea Ptarmica,** L. (Sneezewort). Native. British type. Range 1-2-3.

I. Goyt's Clough, 450 yards, *Baker, J. B.*; Lumsdale, *B. and N., J. B*; Cromford; Winster; Crich, *Milnes.*

II. About Chesterfield, *Waterfall.*

III. Willington, *Hagger*; Gresley, *Harris*; Ockbrook; Locko Park; Spondon Fields, *Smith MSS.*; near Calke, *Bloxam*!

671. **Achillea Millefolium,** L. (Yarrow; Milfoil). Native. British type. Range 1-2-3.

Common everywhere! Ascends up to 500 yards, *Baker.*

## ORDER CAMPANULACEÆ.

675. **Campanula rotundifolia,** L. (Harebell). Native. British type. Range 1-2-3.

Common everywhere! Ascends up to 500 yards, *Baker, J. B.*

676. **Campanula patula,** L. Native. English type. Range 1.

III. Cornfields, Breadsall, not observed lately, *Whittaker*; Stapenhill, *Harris*; once seen at Osmaston Manor, Ashbourne, *Smith MSS.* "Rare near Melbourne," *Bloxam*! I searched for it in the spot where Mr. Bloxam described it to me, *i.e.*, between Melbourne and Bredon, but without finding it. Mr. Bloxam's specimen, although only a fragment and immature, is the true plant, since it shows the toothing of the sepals. Pilkington's record of it as "frequent" is, as Mr. H. C. Watson pointed out, a palpable error, *Purchas, J. B.*

*Campanula rapunculus,* L.

Garden weed at Stapenhill. *Rev. W. M. H. in Nat. Hist. Tutbury.*

678. **Campanula latifolia,** L. (Giant Bellflower). Native. Scottish type. Range 1-2.

I. Baslow, *Bailey*; Mellor, *Wild*; Matlock, a depauperate form; Miller's Dale, *West*; Ashford; Stirrup Wood, Charlesworth, *Whitehead*; Castleton; Taddington, up to 300 yards, *Baker, J. B.*; Blackwell Dale! Monsal Dale! Cressbrook Dale!

II. Woods and hedges, abundant near Chesterfield, *Waterfall.*

III. Repton Rocks, *Harris*; Repton Shrubs! Morley, *Whittaker*; near Ockbrook Mill, *Smith MSS.*; near Calke Mill, *Purchas, J. B.*; near Shirley, *Linton.*

680. **Campanula Trachelium,** L. (Nettle-leaved Bellflower). Native. English type. Range 1-2.

I. Monk's Dale, 350 yards, *West*; Miller's Dale; Chee Dale, *Bailey*; Monsal Dale, *Rogers*; Matlock Bath; Lathkill Dale, *Rowland*; Dove Dale!

III. Breadsall, *Whittaker*; Spondon, *Hassé*.

681. **Campanula glomerata,** L. Native. Germanic type. Range 1-2.

I. Woods, Buxton, 350 yards, *Rogers*; Lovers' Leap, Buxton!

III. Stanton-by-Dale Moor; Spondon, *Hassé*.

683. **Campanula hederacea,** L. (Ivy-leaved Bellflower). Native. Atlantic type. Range 1.

III. Repton Rocks, a small quantity found by a Repton school boy, *Hagger*.

684. **Campanula hybrida,** L. Colonist. Germanic type. Range 1.

III. Fields on Melbourne Common, *Purchas, J. B.*; Dale, *Hassé*; Hulland, *Mr. J. Fitzherbert in Smith MSS.*

687. **Jasione montana,** L. (Sheep's Scabious). Native. British type. Range 1.

I. Ambergate, *Harris*; Two Dales, *Rowland*; Lumsdale, *B. and N., J. B.*; near Buxton, 350 yards, *Rogers*; upper part of the Valley of the Dove! Robin Hood's Stride, near Birchover, *Purchas, J. B.*

III. Duffield Bank! Near Coxbench, *Whittaker*; Stanton-by-Bridge, about the old sandstone quarries, *Purchas, J. B.*

## ORDER ERICACEÆ.

690. **Erica Tetralix,** L. (Cross-leaved Heath). Native. British type. Range 1-2-3.

Common on heaths throughout the county. Ascends to 550 yards, *Baker, J. B.*

691. **Erica cinerea,** L. (Fine-leaved Heath). Native. British type. Range 1-2.

I. Goyt's Clough! Heaths about Buxton, up to 350 yards, *Rogers*; about Matlock, *B. and N., J. B.*; Coombs Rocks, Charlesworth, *Whitehead*.

II. On heaths about Chesterfield, *Waterfall*.

III. Shirley Wood, *Smith*.

*Erica vagans*, L. *E. multiflora*, Huds.

Ashover, *Pilkington's History*.

695. **Calluna vulgaris,** Salisb. (Ling). Native. British type. Range 1-2-3.

Abundantly up to 550 yards, *Baker, J. B.*; on heaths throughout the county!

699. **Andromeda polifolia,** L. Native. Intermediate type. Range 2-3.

I. Axe Edge, gathered in 1868 by the *Rev. G. E. Smith*; also, in 1884, by the Rev. W. M. Rogers. "A broad-leaved variety on Axe Edge."—Garner's "History of the County of Stafford," 1844.

701. **Arbutus Uva-ursi,** L. (Bearberry). Native. Highland type. Range 2-3.

I. Stenior Clough, near the source of the R. Derwent, *Whitehead*; near Cock's Bridge, *Wild.*

703. **Vaccinium Myrtillus,** L. (Bilberry). Native. British type. Range 1-2-3.

I. Common on heaths! Ascends to 550 yards, *Baker, J. B.*; with other relics of the old moorland vegetation on a part of Allsop Moor, near Newhaven, *Purchas, J. B.*

III. Breadsall and Morley Moors! Shirley Wood, *Smith MSS.*; met with by the Rev. W. H. Coleman on an outcrop of the Millstone Grit, not far from the Tickenhall Limeworks, *Purchas, J. B.*

705. **Vaccinium Vitis-idæa,** L. (Whortleberry; Cowberry). Native. Highland type. Range 2-3.

I. Glossop Moors, *Bailey*; Tansley Moor, *B. and N., J. B.*; Corbar Hill; Diamond Hill, Buxton, *Rogers*; Axe Edge! Ascends to 550 yards, *Baker, J. B.*

706. **Vaccinium Oxycoccos,** L. (Cranberry). Native. British type. Range 2-3.

I. Kinder Scout; Tansley Moor, *Milnes*; Corbar Hill, Buxton, *Rogers*; Axe Edge; Coomb's Moss, 500 yards, *West*; Charlesworth, *Whitehead*; Reeve Edge, near Buxton! Burbage Edge, on swamps!

*Pyrola rotundifolia*, L.

Woodlands, "*Glover's History.*" Lady Wash Mine, Eyam, "*Gem of the Peak.*"

709. **Pyrola minor,** L. (Lesser Winter Green). Native. Scottish type. Range 2.

I. Near Miller's Dale; first discovered by Mr. J. C. Wilson; communicated, *Whitehead.*

712. **Monotropa Hypopitys,** L. (Bird's Nest). Native. Germanic type. Range 2.

I. Heights of Abraham, Matlock Bath, *Hey in Smith MSS.*; authentic specimen from near Ashover, 1872, Miss Isabel Fox in *Smith MSS.*

## ORDER ILICACEÆ.

713. **Ilex Aquifolium**, L. (Holly). Native. British type. Range 1-2.

Common! Frequent up to 350 yards, *Baker, J. B.*

## ORDER JASMINACEÆ.

714. **Ligustrum vulgare**, L. (Privet). Native. English type. Range 1-2.

I. Ashford Dale, *Hannan*; Monk's Dale, 350 yards, *West*; Monsal and Miller's Dales, *Baker, J. B.*; Matlock Tor and Bonsall, *B. and N., J. B.*; Canal banks, Cromford, *Bailey*; rocky limestone slopes of the Dove Valley, *Purchas, J. B.*

II. Hedge banks at Cresswell, &c., *Waterfall.*

III. Mickleover! Burton-on-Trent, *Harris*; planted in S. D., *Purchas, J. B.*; Shirley, *Linton*; near Dale Abbey, *Hassé.*

715. **Fraxinus excelsior**, L. (Ash). Native. British type. Range 1-2-3.

I. Common and truly wild up to 450 yards, *Baker, J. B.*;

II. and III. Common!

## ORDER APOCYNACEÆ.

716. **Vinca minor**, L. (Periwinkle). Denizen. English type. Range 1-2.

I. Matlock Bath, *Rowland.*

III. Bradley; between Norbury and Cubley, *Smith MSS.* Plantation by the roadside at Calke; well established, though no doubt originally introduced, *Purchas, J. B.*

*Vinca major*, L. Naturalised at Walton, *Nat. Hist. Tutbury.*

## ORDER GENTIANACEÆ.

719. **Gentiana Pneumonanthe**, L. (Heath Gentian). Native. English type. Range 1.

"Topographical Botany." No authority.

721. **Gentiana Amarella**, L. (Common Gentian). Native. British type. Range 1-2-3.

I. Wormhill, *West*; Crich, *Whitelegg*; Heights of Abraham, Matlock Bath; Dove Dale, *B. and N., J. B.*; frequent up to 500 yards, *Baker, J. B.*; Buxton!

722. **Gentiana campestris** L. Native. British type. Range 1-2-3.

I. Chapel-en-le-Frith, *Searle*; Topley Pike; Taddington, *Green*; frequent up to 500 yards, *Baker, J. B.*; Corbar Hill, Buxton, with the preceding one, *Rogers*; Via Gellia, *Milnes.*

724. **Erythræa Centaurium,** Pers. (Centaury). Native. British type. Range 1-2.

I. Matlock Bath; Brassington, *Rowland*; Dove Dale!

III. Bretby, *Hagger*; Ockbrook! Burton-on-Trent, *Harris*; Heath End, Calke, *Purchas, J. B.*; Shirley; Bradley, *Linton.*

725. **Chlora perfoliata,** L. (Yellow Centaury. Perfoliate Yellow Wort). Native. English type. Range 1.

"Topographical Botany." *Howitt Cat.*

727. **Menyanthes trifoliata,** L. (Bog Bean). Native. British type. Range 1.

III. Pools above Wyaston Brook towards Rodsley, *Smith MSS.*; found by Mr. Bloxam in "the Bog near Foremark Park," where I have also seen it, but only very small and weakly, *Purchas, J. B.*

## ORDER POLEMONIACEÆ.

728. **Polemonium cæruleum,** L. (Blue Jacob's Ladder). Native. Intermediate type. Range 1-2.

I. Ashford Dale; Youlgreave, *Bailey*; Flag Dale and Chee Dale, 300 yards, *West*; Ashwood Dale! Chrome Hill, Buxton! In several parts of the Dove Valley, although not in Dove Dale proper, *Purchas, J. B.*; Lathkill Dale; near Matlock High Tor; near Bradbourn Mill, *Smith MSS.*

III. Drakelowe, *Harris*; below Derby, a garden escape!

## ORDER CONVOLVULACEÆ.

729. **Convolvulus arvensis,** L. (Bindweed). Native. English type. Range 1-2.

I. Hedge banks at Matlock Bank, 250 yards, *B. and N., J. B.*

III. Common on cultivated ground!

730. **Convolvulus sepium,** L. (Great Bindweed). Native. English type. Range 1-2-3.

I. Frequent up to 400 yards at Burbage and Fairfield, Buxton, *Baker, J. B.*

II. and III. Common in hedges!

*Cuscuta Epithymum,* L., is mentioned in Repton F. and F., but no habitat is given.

735. **Cuscuta Trifolii,** Bab. (Clover Dodder). Alien. English type. Range I.

III. Cornfields between Ockbrook and Spondon; clover fields, Osmaston-by-Ashbourne, *Mr. F. B. Wright in Smith MSS.*; towards the Ash Cover, near Shirley, *Linton.*

## ORDER SOLANACEÆ.

736. **Hyoscyamus niger,** L. (Henbane). Native. English type. Range 1.

I. Over Haddon, near Bakewell, *Bailey.*

III. Stapenhill, *Harris*; found by Mr. Bloxam "near the Stables at Calke," but not seen of late years, and probably an introduction, *Purchas, J. B.*

737. **Solanum nigrum,** L. (Black Nightshade). Native. English type. Range 1.

III. Repton, *Burkill*, communicated *Hagger.*

738. **Solanum Dulcamara,** L. (Bitter-sweet). Native. British type. Range 1-2.

I. Cromford Dale, *B. and N., J. B.*; Miller's Dale, 250 yards, *Baker, J. B.*; Matlock Bath, *West.*

II. Common about Chesterfield, *Waterfall.*

III. Common about Derby! Shirley, *Linton*; Calke, *Purchas.*

739. **Atropa Belladonna,** L. (Deadly Nightshade). Native. English type. Range 1.

I. Near Wirksworth, *Rowland.*

III. Duffield Bank, *Mrs. Higgins*, communicated *Whittaker*; Winshill, *Harris*; Repton Hall, now extinct, *Hagger.*

**Datura Stramonium,** L. Alien. Garden escape.

Morley, *Hassé*; formerly at Repton, *Burkill.*

## ORDER SCROPHULARIACEÆ.

740. **Verbascum Thapsus,** L. (Great Mullein). Native. English type. Range 1-2.

I. Cromford, *Harris*; Blackwell Dale, *Green*; Matlock, *B. and N., J. B.*; Dove Dale!

III. Tickenhall, *Hagger*; Morley, on railway banks, introduced, *Whittaker*; "walls and roofs at Calke, rare," *Purchas, J. B.*; Breadsall, *Hassé.*

**Verbascum Lychnitis,** L. Casual.

Haddon Hall, probably the remains of former cultivation!

743. **Verbascum nigrum,** L. (Black Mullein). Native. English type. Range 1-2.

I. Alport, *Bailey*; where, in 1844, it had not been seen for two seasons, *Purchas, J. B.* Type and a hybrid between this and *V. Thapsus* in a quarry on the hillside west of Whatstandwell; perhaps a relic of cultivation, *B. and N., J. B.*

**Verbascum Blattaria,** L. Alien.

Arable land, Osmaston-by-Ashbourne, *Smith MSS.*

747. **Veronica arvensis,** L. Native. British type. Range 1-2-3.

Frequent up to 400 yards over Castleton, *Baker, J. B.*; common throughout the county!

750. **Veronica serpyllifolia,** L. Native. British type. Range 1-2.

Common up to 350 yards, *Baker, J. B.*; common throughout the county!

*Veronica alpina,* L.

Masson, Matlock, *Glover's History.*

753. **Veronica scutellata,** L. Native. British type. Range 1-2-3.

I. Axe Edge, *West*; Coomb's Moss!

III. Morley Moor! Near Burton-on-Trent, *Harris.*

754. **Veronica Anagallis,** L. (Water Speedwell). Native. British type. Range 1-2.

I. Wye Valley, 350 yards, *Baker, J. B.*; R. Dove; Cromford Dale, *B. and N., J. B.*

III. Watery places, common!

755. **Veronica Beccabunga,** L. (Brooklime). Native. British type. Range 1-2-3.

Common in watery places! Ascends up to 500 yards, *Baker, J. B.*

756. **Veronica officinalis,** L. Native. British type. Range 1-2-3.

I. Axe Edge, near 500 yards!

II. About Chesterfield, *Waterfall.*

III. Morley! Near Burton-on-Trent, *Harris*; dry hedge banks on the Melbourne Road, *Purchas, J. B.*; Shirley, *Linton.*

757. **Veronica montana,** L. Native. British type. Range 1-2.

I. Chee Tor Woods, 250 yards, *Baker, J. B.*; Via Gellia, *B. and N., J. B.*; Miller's Dale!

III. Repton Shrubs, *Harris*; Dale Abbey Woods! Morley! Copses N.W. of Hopwell Hall, *Smith MSS.*; wood by Snelston Hall, *Linton*; Bartlewood; Dale; Breadsall, *Hassé.*

758. **Veronica Chamædrys,** L. (Germander Speedwell). Native. British type. Range 1-2-3.

Common everywhere! Ascends up to 500 yards, *Baker, J. B.*; a form noted with distinctly-petioled upper leaves by the R. Derwent, below Matlock Tor, *B. and N., J. B.*

759. **Veronica hederifolia,** L. Native. British type. Range 1-2.

I. Garden weed at Cressbrook only; about 250 yards, *Rogers.*

II. Common at Chesterfield, *Waterfall.*

III. Common about Derby! Shirley, *Linton*; Calke, *Purchas, J. B.*

760. **Veronica agrestis,** L. (Field Speedwell). Native. British type. Range 1-2.

Common everywhere! Ascends to 300 yards, *B. and N., J. B.*

761. **Veronica polita,** Fries. Native. British type. Range 1.

II. Common about Chesterfield, *Waterfall.*

III. Ockbrook, *Smith*; Milton, near Repton, *Harris*; Aston; Alvaston; Chellaston, *Hassé*; Calke, *Purchas, J. B.*

762. **Veronica Buxbaumii,** Ten. Colonist. British type. Range 1-2.

I. About the Railway Station, Chapel-en-le-Frith, *Rogers*; about Matlock, ascending up to 300 yards, *B. and N., J. B.*

III. Chellaston! About Derby! Cornfields, Osmaston-by-Ashbourne and Hulland; Ockbrook, *Smith MSS.*; about Burton-on-Trent, *Harris.*

765. **Bartsia Odontites,** Huds. (Red Rattle). Native. British type. Range 1-2.

I. Wye Valley, up to 250 yards, at Chee Tor, *Baker, J. B.*; Dove Dale; Matlock, *B. and N., J. B.*

II. About Chesterfield, *Waterfall.*

III. Grassy places about Derby! Near White Lees, Tickenhall, *Purchas, J. B.*; Shirley, *Linton.*

766. **Euphrasia officinalis,** L. (Eye-bright). Native. British type. Range 1-2-3.

Common on heaths! Ascends up to 500 yards, *Baker, J. B.*

767. **Rhinanthus Crista-galli,** L. (Yellow Rattle). Native. British type. Range 1-2-3.

Common throughout the county! Ascends up to 500 yards, *Baker, J. B.*

770. **Melampyrum pratense,** L. (Cow Wheat). Native. British type. Range 1-2-3.

I. and II. Heaths, common, north of Derby!

III. Shirley, *Linton.*

Var. **cricetorum,** D'Oliv.

I. Charlesworth Coombs, *Whitehead.*

772. **Pedicularis palustris,** L. (Lousewort). Native. British type. Range 1.

II. Near Chesterfield, *Waterfall.*

III. Repton Rocks, *Harris*; bog at Foremark Park, *Bloxam*! Marsh by Bradley Wood, *Linton.*

773. **Pedicularis sylvatica,** L. (Small Lousewort). Native. British type. Range 1-2.

I. Thorpe, *Rowland.*

III. Repton Rocks; Foremark, *Hagger*; Ockbrook! Morley! Shirley, *Linton.*

774. **Scrophularia nodosa,** L. (Knotted Figwort). Native. British type. Range 1-2-3.

Common in watery places! Ascends to 400 yards over Castleton, *Baker, J. B.*

775. **Scrophularia Balbisii,** Horn. (Marsh Figwort). Native. English type. Range 1-2.

I. Monsal Dale, *Baker, J. B.*; up to 250 yards in Lumsdale, *B. and N., J. B.*, Bakewell, *West.*

II. Common about Chesterfield, *Waterfall.*

III. Common in watery places about Derby! Shirley, *Linton*; Calke, *Purchas, J. B.*

778. **Digitalis purpurea,** L. (Foxglove). Native. British type. Range 1-2-3.

Common everywhere! It marks with *Pteris* the upper boundary of the agrarian region, and ascends up to 500 yards on Axe Edge, *Baker, J. B.*

**Antirrhinum majus,** L. Alien.

Garden walls at Cromford, *B. and N., J. B.*

**Linaria Cymbalaria,** Mill. Alien.

I. Walls at Ashford, &c., *Baker, J. B.*; Overton Hall, Ashover, *Bailey*; Matlock Bath! Wormhill; Miller's Dale, *West.*

III. Repton, *Hagger*; Shirley Bridge, *Smith MSS.*; Risley, *Hassé.*

783. **Linaria Elatine,** Mill. Colonist. English type. Range 1.

"Topographical Botany," *Howitt Cat.*

II. Seen only once or twice at the Hague, Renishaw, Chesterfield, *Waterfall.*

785. **Linaria vulgaris,** Mill. (Toadflax). Native. British type. Range 1-2.

I. Dry banks, Matlock, *B. and N., J. B.*; up to 350 yards at Buxton, *Rogers*; upper part of Dove Valley only, *Purchas, J. B.*

II. Common at Chesterfield, *Waterfall.*

III. Frequent about Derby! Near Calke, *Bloxam*! Bradley, *Linton*; Wyaston Brook, *Smith MSS.*

787. **Linaria minor,** Desf. Colonist. English type. Range 1-2.

I. Miller's Dale, *Whitelegg*; Near Peak Forest Railway Station, *Wild*; on ballast at Whatstandwell, *B. and N.*, *J. B.*; Hockley Pit, Ashover, *Smith MSS.*

*Linaria repens*, Mill.

Near Hill Top, *Whittaker*, *Phyt. II.*, *903.*

788. **Limosella aquatica,** L. Native. Germanic type. Range 1.

III. Near Ashbourne, *Purchas.* The record in Repton F. and F. is doubtful.

**Mimulus luteus,** L. (Monkey Plant). Alien.

I. Chee Dale, *West.*

III. Morley Brook, naturalised, *Whittaker.* In several other places it appears as a garden escape!

## ORDER OROBANCHACEÆ.

790. **Orobanche major,** L. (*rapum*, Thuil.). Native. English type. Range 1.

II. Stanton Moor, *Hassé*; not seen near Repton by *Mr. Hagger.*

*Orobanche ramosa*, L.

Ingleby, *Glover's History.*

797. **Lathræa squamaria,** L. (Toothwort). Native. English type. Range 1-2.

I. Mellor, *Hannan*; Matlock Bath, *Harris*; Via Gellia! Monsal Dale!

III. Dale Abbey Woods! Ockbrook, *Smith MSS.*; on the roots of laurels at Calke Abbey, appearing for a series of years. I believe it has now become extinct, *Purchas*, *J. B.*

## ORDER VERBENACEÆ.

798. **Verbena officinalis,** L. (Vervain). Denizen. English type. Range 1-2.

I. Winster, *Milnes*; Via Gellia, *B. and N.*, *J. B.*

III. Linton, *Harris*; Morley, *Whittaker*; Borrowash, *Smith*; Melbourne! Calke, but in one spot only, *Purchas*, *J. B.*

## ORDER LABIATÆ.

*Salvia pratensis*, L.
Recorded in Repton F. and F., but wants confirmation.

801. **Lycopus europæus**, L. (Gipsy Wort). Native. British type. Range 1.
II. About Chesterfield, *Waterfall.*
III. Repton, *Hagger*; Canals, Derby! Near Yeaveley Church, *Smith MSS.*

802. **Mentha rotundifolia**, L. Native. English type. Range 2.
I. Miller's Dale, *Whitelegg.*
III. Recorded in Repton F. and F., but not seen by Mr. Hagger about Repton.

803. **Mentha sylvestris**, L. Native? English type. Range 1-2.
I. Cromford Dale and Via Gellia, *B. and N., J. B.*; in one spot only in Dove Dale, *Purchas, J. B.*
II. Aldercar, *Smith.*
III. Near Marston, Montgomery, *Smith MSS.* In this division, *Purchas, J. B.*

Var. **nemorosa**, Willd.
Near the "Pig of Lead," Cromford, *Bailey.*

**Mentha viridis**, L. Alien.
III. Shirley Brook, *Linton.*

805. **Mentha piperita**, Huds. (Pepper Mint). Native. English type. Range 1.
I. Cromford Dale; Cromford Canal, south of Whatstandwell Railway Station, *B. and N., J. B.*
III. Winshill, *Harris*; Ashbourne; near Cubley, *Smith MSS.*; Yeaveley, *Linton.*

806. **Mentha hirsuta**, L. (Common Mint). Native. British type. Range 1-2.
I. Matlock, *B. and N., J. B.*; Wye Valley up to 350 yards, *Baker, J. B.*
II. About Chesterfield, *Waterfall.*
III. Morley! In S. Derbyshire, *Purchas, J. B.*; Shirley, *Linton.*

807. **Mentha sativa**, L. Native. British type. Range 1-2.
I. Youlgreave, *Bailey*; Monsal Dale; Miller's Dale, 250 yards, *Baker, J. B.*; Matlock, *B. and N., J. B.*
III. About Derby! Shirley, *Linton;* Burton-on-Trent, *Harris.*

Var. **paludosa,** Sole.

I. Monsal Dale, *Baker, J. B.*; Matlock, *B. and N., J. B.*

Var. **rubra,** Sm.

III. Ockbrook, *Smith MSS.*; near the Pot Works, Tickenhall, *Purchas, J. B.*; Shirley Mill; Yeldersby, *Linton.*

Var. **gentilis,** L.

I. By the R. Wye in Miller's Dale, two or three plants, *Rogers.*

808. **Mentha arvensis,** L. (Field Mint). Native. British type. Range 1-2.

I. Youlgreave, *Bailey;* cultivated ground, Matlock, *B. and N., J. B.*; King's Sterndale! Cornfields, Wormhill, 350 yards, *West.*

III. Burton-on-Trent, *Harris*; near Locko! Spondon Fields, *Smith MSS.*; about Calke and Repton, *Purchas, J. B.*; Shirley, *Linton.*

Var. **Allionii,** Bor.

I. Close to the Old Waste near Darley Moor, *Linton.*

809. **Mentha Pulegium,** L. (Penny Royal). Native. English type. Range 1.

"Topographical Botany." Queried.

810. **Thymus Serpyllum,** L. (Thyme). Native. British type. Range 1-2-3.

I. Baslow, *Bailey;* Matlock Bath, *Rowland*; common up to 500 yards, *Baker, J. B.*; Buxton! Dove Dale! Castleton!

II. Near Chesterfield, *Waterfall.*

III. Burton-on-Trent, *Harris*; scarce, and not noticed by me. Mr. Bloxam's specimen is too poor for satisfactory determination, but is probably this rather than T. Chamædrys," *Purchas, J. B.*

811. **Origanum vulgare,** L. (Wild Marjoram). Native. British type. Range 1-2-3.

I. Common in the limestone dales; about Buxton and Castleton! Matlock Bath, *Rowland*; Dove Dale! Youlgreave, *Bailey*; ascends up to 400 yards, *Baker, J. B.*

812. **Calamintha Acinos,** Clairv. (Basil). Native. British type. Range 1-2-3.

I. Wormhill, *West*; Dove Dale!

III. Foremark, *Harris*; between Tickenhall and Repton; and near Repton Park as stated below, Bloxam!

813. **Calamintha Nepeta,** Clairv. Native. English type. Range 1.

III. Ockbrook. First observed by Mr. Bland, 1875, *Smith MSS.*

814. **Calamintha officinalis,** Moench. (Calamint). Native. English type. Range 1.

I. Via Gellia and Cromford, *Milnes*; Matlock Bath, *Rowland.*

III. Ockbrook, *Smith*; Linton, *Harris*; a small specimen of this in Mr. Bloxam's collection is marked *C. Acinos*, and is said to be from the gravel pit at Repton Park. A specimen of *C. Acinos* from the same spot is rightly named, *Purchas, J. B.*

815. **Calamintha Clinopodium,** Spenn. (Wild Basil). Native. British type. Range 1-2.

I. Lathkill Dale; Via Gellia, *Bailey;* ascends up to 350 yards, *Baker, J. B.*; Monsal Dale! Dove Dale! Between Thorpe and Mappleton, *Purchas, J. B.*

III. About Burton-on-Trent, *Harris*; in S. Derbyshire, *Purchas, J. B.*; Thorpe, *Linton.*

*Melittis Melissophyllum*, L.

Between Sinfin and Barrow, *Glover's History.*

818. **Teucrium Scorodonia,** L. (Wood Sage). Native. British type. Range 1-2-3.

Common on heaths and in woods! Ascends up to 400 yards above Castleton, *Baker, J. B.*

822. **Ajuga reptans,** L. (Bugle). Native. British type. Range 1-2.

I. Dove Dale! Frequent up to 300 yards, *Baker, J. B.*

II. Common about Chesterfield, *Waterfall.*

III. Repton Shrubs, *Hagger*; about Burton-on-Trent, *Harris*; about Derby, &c.! Shirley, *Linton.*

*Ajuga alpina.*

Recorded from between Matlock and Castleton in Bot. Guide is a form of *A. reptans.*

825. **Ballota nigra,** L. (Black Horehound). Native. English type. Range 1.

III. Stapenhill, *Harris*; formerly at Derby! Hedge banks about Calke, *Purchas, J. B.*; Shirley, *Linton*; Ockbrook; Elvaston; Tickenhall, *Hassé.*

**Leonurus Cardiaca,** L. (Motherwort). Alien.

I. Via Gellia, *Whitelegg*; by R. Derwent, Cromford, *Milnes.*

III. Mackworth, *Smith MSS.*

827. **Lamium Galeobdolon,** Crantz. (Archangel). Native. English type. Range 1-2.

I. Stirrup Wood, Charlesworth, *Wild*; Ashover, *Bailey*; Matlock Bath, *Rowland*; Dove Dale, *B. and N., J. B.*; limestone woods up to 350 yards, *Baker, J. B.*; Buxton!

II. Woods and hedges about Chesterfield, *Waterfall*; Belper, on Millstone Grit!

III. Repton Shrubs, *Hagger*; Shirley, *Linton.*

828. **Lamium album,** L. (White Dead Nettle). Native. British type. Range 1-2.

Common everywhere! Ascends up to 250 yards, *Baker, J. B.*

**Lamium maculatum,** L. Alien.

I. Baslow, *Bailey;* Wirksworth, *Harris*; Ashwood Dale; between Wormhill and Peak Forest, *Green.*

III. Repton, *Hagger*; Edlaston Wood-side, *Smith MSS.*; an escape, Bradley and Edlaston, *Linton.*

830. **Lamium amplexicaule,** L. Native. British type. Range 1.

III. Borrowash; Osmaston-by-Ashbourne, *Smith;* Drakelowe, *Harris*; Shirley, *Linton*; Ingleby, *Hassé.*

831. **Lamium purpureum,** L. (Red Dead Nettle). Native. British type. Range 1-2-3.

Common everywhere! Ascends up to 400 yards, *Baker, J. B.*

831.* **Lamium incisum,** Willd. Native. British type. Range 1-2.

I. Garden weed at Burbage, Buxton, 350 yards, *Baker, J. B.*

III. Waste ground at Tickenhall Vicarage, *Purchas, J. B.*

832. **Galeopsis Ladanum,** L. Colonist. English type. Range 1-2-3.

I. Monsal Dale, *Bailey*; Peak Forest, Railway Station, *Wild*; ascends to 450 yards, *Baker, J. B.*; Dove Dale! Matlock, *Rev. S. Hey in Smith MSS.*

834. **Galeopsis Tetrahit,** L. (Hemp Nettle). Native. British type. Range 1-2.

I. Dove Dale; Matlock, *B. and N., J. B.*; Miller's Dale, 250 yards, *Rogers*; near Newhaven!

II. and III. Common on arable land, &c.!

835. **Galeopsis versicolor,** Curt. (*G. speciosa,* Miller). Colonist. Scottish type. Range 2.

I. Hayfield, *Sunderland*; Youlgreave, *Purchas*; near Arbelows, *Green.*

836. **Stachys Betonica,** Benth. (Betony). Native. English type. Range 1-2.

I. Ascends to 350 yards on the hill above the Miller's Dale Railway Station, near Buxton, *Rogers*; Matlock Tor, &c., *B. and N., J. B.*; Dove Dale, &c.! Meadows between Thorpe and Mappleton, *Purchas, J. B.*

II. About Chesterfield, *Waterfall.*

III. Breadsall and Morley Moors! Woody places about Calke, *Purchas, J. B.*; Shirley, *Linton.*

837. **Stachys palustris,** L. (Marsh Woundwort). Native. British type, Range 1-2.

I. R. Derwent, Matlock Bridge, *B. and N., J. B.*

II. About Chesterfield, *Waterfall.*

III. About Burton-on-Trent, *Harris*; Spondon, by canal! Edlaston; Yeaveley, *Smith MSS.*

837B. **Stachys ambigua,** Sm. Native. British type. Range 1-2.

I. Baslow; Hassop, *Bailey.*

III. Linton, *Harris*; Willington! Between Derby and Mackworth, a form that comes nearer to *S. sylvatica* than does Mr. H. C. Watson's Surrey plant or Dr. Boswell's Orkney plant, in that the leaves are more ovate, their serratures more convex-sided, and the flowers smaller and darker, *Purchas, J. B.*; Morley, *Hassé.*

838. **Stachys sylvatica,** L. (Wood Woundwort). Native. British type. Range 1-2-3.

Common everywhere! Ascends up to 400 yards, *Baker, J. B.*

*Stachys germanica,* L.

Pinxton, *Mr. Coke in Pilkington.*

840. **Stachys arvensis,** L. Colonist. British type. Range 1.

II. About Chesterfield, *Waterfall.*

III. Cauldwell, *Harris*; near Duffield! Bridle road to Swarkestone, *Bloxam*! Dale, *Hassé.*

841. **Nepeta Glechoma,** Benth. (Ground Ivy). Native. British type. Range 1-2-3.

Common everywhere! Ascends up to 450 yards at Burbage, *Baker, J. B.*

*Nepeta Cataria,* L.

Linton, *Nat. Hist. Tutbury.* Recorded in *Repton F. and F.*, but wants confirmation.

*Marrubium vulgare,* L.

Middleton Dale, *Pilkington's History*; Repton, *Repton F. and F.*; wants confirmation.

844. **Prunella vulgaris,** L. (Self-heal). Native. British type. Range 1-2-3.

Common everywhere! Ascends up to 500 yards, *Baker, J. B.*

845. **Scutellaria galericulata,** L. (Skull-cap). Native. British type. Range 1.

I. Cromford Canal, *Rowland*; Lumsdale Reservoirs; canal at Whatstandwell, *B. and N.*, *J. B.*

II. Near Chesterfield, *Waterfall.*

III. About Burton-on-Trent, *Harris*; canals, Derby! R. Derwent, Alvaston, *Hey*; Osmaston-by-Ashbourne; Borrowash, &c., *Smith MSS.*; side of ponds at Calke, *Purchas*, *J. B.*

846. **Scutellaria minor,** L. Native. English type. Range 1.

III. Found once at Repton, *Hagger.*

## ORDER BORAGINACEÆ.

847. **Myosotis palustris,** With. (Forget-me-not). Native. British type. Range 1-2.

I. Wye Valley up Miller's Dale, 250 yards, *Baker*, *J. B.*; Matlock, *B. and N.*, *J. B.*; canal between Ambergate and Whatstandwell, *Bailey*; absent from the Valley of the Dove proper, but seen near Fenny Bentley, *Purchas*, *J. B.*

II. About Chesterfield, *Waterfall.*

III. About Derby! Not seen about Calke, *Purchas*, *J. B.*

Var. **strigulosa,** Reichb.

I. Abundant in the Wye Valley at Miller's Dale, &c., *Rogers.*

III. Morley, *Whittaker.*

848. **Myosotis repens,** D. Don. Native. British type. Range 1-2.

I. Kinder Scout, *Bailey*; Charlesworth Coombs, *Whitelegg*; Axe Edge, *West*; Tansley Moor, *B. and N.*, *J. B.*; Coombe's Moss, Buxton!

III. Meadow at Osmaston-by-Ashbourne, *Smith MSS.* "I feel pretty sure that I gathered this in a wet place near Blackwell, Hulland, some years since, but I cannot find a record," *Purchas*, *J. B.*; Shirley, *Linton.*

849. **Myosotis cæspitosa,** Schultz. Native. British type. Range 1-2-3.

I. Ashford-in-the-Water, *Bailey*; swamps up to Axe Edge, 500 yards, *Baker*, *J. B.*; Via Gellia, *B. and N.*, *J. B.*; about Buxton! Miller's Dale!

III. Willington! Swarkestone Bridge! About Burton-on-Trent, *Harris*; about Calke, *Purchas*, *J. B.*; Shirley, *Linton.*

851. **Myosotis sylvatica,** Ehrh. Native. English type. Range 1-2.

I. Mellor, *Wild*; Miller's Dale, *Whitelegg*; Ashwood Dale, *Green*; Dove Dale, *Harris*; Ashover, *Bailey*; Via Gellia! Ashwood Dale! Cressbrook Dale! Monsal Dale! Flag Dale, 200 yards, *West*; Fenny Bentley, *Purchas, J. B.*

II. Cresswell Craggs, *Waterfall.*

III. Cubley, *Smith MSS.*; Shirley, *Linton*; Dale Woods, *Hassé.*

852. **Myosotis arvensis,** Hoffm. Native. British type. Range 1-2-3,

Common on hedge banks, &c.! Ascends up to 400 yards, *Baker, J. B.*

Var. **umbrosa,** Bab.

I. Chee Dale! Wye Valley, a little below Miller's Dale, *Rogers.*

853. **Myosotis collina,** Hoffm. Native. British type. Range 1-2.

I. Miller's Dale, *Bailey*; from 200 to 300 yards, *Baker, J. B.*; Dove Dale, *Harris*; Wormhill, *West*; Monsal Dale! Matlock Bath! Wirksworth!

III. Drakelowe, *Harris*; Bridsgrove, *Smith MSS.*; between Elvaston and Ambastone, *Hassé.*

854. **Myosotis versicolor,** Lehm. Native. British type. Range 1-2.

I. Miller's Dale, *Wild.*

III. Repton, *Playne*; Drakelowe, *Harris*; Willington! Ockbrook, *Smith MSS.*; Calke, *Purchas, J. B.*; Shirley, *Linton.*

855. **Lithospermum officinale,** L. (Gromwell). Native. British type. Range 1.

I. Via Gellia and Cromford, *Milnes.*

II. Cresswell Craggs, *Waterfall.*

III. Stapenhill, *Harris*; Calke, but sparingly, *Purchas, J. B.*

856. **Lithospermum arvense,** L. Colonist, British type. Range 1.

II. Stanley and West Hallam, *Hassé.*

III. Repton, *Playne*; about Burton-on-Trent, *Harris.*

859. **Symphytum officinale,** L. (Comfrey). Denizen. English type. Range 1-2.

I. Matlock Bath, *Rowland*; canal side at Whatstandwell, *B. and N., J. B.*; Buxton, 350 yards, *Rogers*; Bakewell, *West.*

III. Newton Solney, *Harris*; Repton, *Hagger*; near Derby! Breadsall, *Whittaker*; about Calke, *Purchas*, *J. B.*; Bradley, *Linton*; Swarkestone, Ingleby, &c., *Hassé*.

**Symphytum peregrinum,** Ledeb. (*S. uplandicum*, Nyman; *S. orientale*, Fries. non Linn.). Alien.

This plant was formerly named *S. officinale*, var. *patens*, Sibth., by Mr. Bailey, but subsequent examination has convinced him that it is S. peregrinum. Mr. Bailey says:—"I recognise it most readily by the blade of the leaf not becoming so strikingly decurrent as it does in *S. officinale*. I wish I could as easily differentiate it from *S. asperrimum*; but I find the best character to be the much stiffer bristles of *asperrimum* on the leaves and stalks, especially the latter. *S. orientale* is much nearer to *peregrinum* in the texture of the leaves and stems, but *orientale* has the leaves much broader in proportion to their length." Mr. Baker has thought that this plant is "a hybrid between *asperrimum* and *officinale*, but Mr. Bailey says it fruits freely in his garden, and produces any number of seedlings every year."

Found by Mr. Bailey on both sides of a brook in the upper part of the Via Gellia, between Cromford and Winster, July, 1878, and at Youlgreave, July, 1879. In 1884 when Mr. Purchas visited the former habitat it had "greatly diminished in quantity." See Reports E. C., B. I., 1878 and 1879, and J. B., 1885.

**Borago officinalis,** L. (Borage). Alien.

II. About Chesterfield, *Waterfall*.

III. Straggler from gardens, Elvaston, *Hassé*.

862. **Lycopsis arvensis,** L. (Bugloss). Colonist. British type. Range 1.

III. About Dale Abbey, *Hassé*.

866. **Cynoglossum officinale,** L. (Hound's Tongue). Native. English type. Range 1.

I. Bradford Dale, *Bailey*.

III. Calke, but sparingly, *Purchas*, *J. B.*

869. **Echium vulgare,** L. (Viper's Bugloss). Native. British type. Range 1.

III. Willington, *Playne*; Winshill; Drakelowe, *Harris*; found by Bloxam at Swarkestone Bridge! Can it have been truly wild? *Purchas*, *J. B.*; Aston Spar Pits, *Hassé*.

*Echium plantagineum*, L.

Ingleby Meadows, *Glover's History*.

**Amsinckia lycopsioides,** Lehm. A Californian alien.

Waste ground in Miller's Dale, *Rogers*.

## ORDER PINGUICULACEÆ.

872. **Pinguicula vulgaris,** L. (Butterwort). Native. Scottish type. Range 1-2.

I. Hadfield, *Whitelegg*; Topley Pike! Monk's Dale, Wormhill, 350 yards, *West.*

875. **Utricularia vulgaris,** L. (Bladderwort). Native. British type. Range 1.

I. Swarkestone Bridge, formerly, *Whittaker*; also, Bloxam!

## ORDER PRIMULACEÆ.

878. **Primula vulgaris,** Huds. (Primrose). Native. British type. Range 1-2.

Common on banks throughout the county! Limestone cliffs up to 350 yards, *Baker, J. B.*

Var. **caulescens,** Bab.

I. Whatstandwell! Dove Dale, *Smith MSS.*

III. Between Ockbrook and Dale Abbey, *Smith MSS.* Shirley, *Linton.* This or one of the "hybridæ" occurs from time to time in S. D., *Purchas, J. B. Primula elatior* of the old botanists would fall under this variety or that of the hybridæ!

880. **Primula veris,** L. (Cowslip). Native. British type. Range 1-2-3.

Common in meadows and in the limestone dales! Ascends up to 400 yards at Wormhill, *West.*

885. **Hottonia palustris,** L. (Water Violet). Native. English type. Range 1.

III. Eggington, *Harris*; Old Trent, Repton, *Hagger*; Morley! Old bed of R. Derwent, Osmaston-by-Derby!

886. **Lysimachia vulgaris,** L. (Yellow Loosestrife). Native. English type. Range 1-2.

I. Rocky slopes of the Dove Valley, from 600 to 1,000 feet, *Purchas, J. B.*

III. Formerly at Morley Moor; now extinct, *Whittaker.*

888. **Lysimachia nummularia,** L. (Moneywort). Native. English type. Range 1.

II. The Hague, Renishaw; Chesterfield, *Waterfall.*

III. Near Burton-on-Trent, *Harris*; Repton, *Hagger*; Osmaston-by-Derby! Swarkestone! Near Ockbrook, *Smith MSS.*; about the ponds at Calke, *Purchas, J. B.*

889, **Lysimachia nemorum,** L. Native. British type. Range 1-2.

I. Damp Woods, Matlock, *B. and N.*, *J. B.*; Chapel-en-le-Frith, *Rogers*; sparingly, upper part of the Dove Valley, *Purchas*, *J. B.*

II. About Chesterfield, *Waterfall.*

III. Near Burton-on-Trent, *Harris*; Repton Shrubs, *Hagger*; Dale Abbey Woods! Near Calke Mill, *Purchas*, *J. B.*; Shirley, *Linton.*

890. **Anagallis arvensis,** L. (Field Pimpernel). Colonist. British type. Range 1-2-3.

I. Rowsley, *Baker*, *J. B.*; hill above Miller's Dale Railway Station, over 350 yards, *Rogers.*

II. Common about Chesterfield, *Waterfall.*

III. Common about Derby! Not common about Calke, *Purchas*, *J. B.*; Shirley, *Linton*; Spondon, &c., *Hassé.*

Var. **cærulea,** Schreb.

III. Ockbrook, *Hey in Smith MSS.*

891. **Anagallis tenella,** L. (Bog Pimpernel). Native. British type. Range 1.

III. Hulland Moss, *Whittaker.* Very rare in S. D. This appeared in one spot on the face of a steep and moist roadside bank between Calke and Melbourne. Clearly like *Ranunculus Lenormandi*, a remnant of the old vegetation of Melbourne Common. It was found also by Bloxam "in the bog at Foremark Park!" It does not seem to have been seen there since, *Purchas*, *J. B.*

893. **Samolus Valerandi,** L. (Brook-weed). Native. English type. Range 1.

III. Very rare, "ponds by Swarkestone Bridge," *Bloxam*! Not since found, so far as I know, *Purchas*, *J. B.*

## ORDER PLANTAGINACEÆ.

901. **Plantago major,** L. (Way Bread, Greater Plantain). Native. British type. Range 1-2-3.

Common everywhere! Ascends up to 500 yards, *Baker*, *J. B.*

902. **Plantago media,** L. (Lamb's Tongue). Native. English type. Range 1-2.

I. Common in the limestone dales, &c.! Ascends up to 350 yards, *Baker*, *J. B.* A luxuriant variety with white filaments (turning purplish when pressed), and leaves comparatively narrow and ascending, so approaching *P. lanceolata* in aspect, meadow above Buxton, *Rogers.*

II. About Chesterfield, *Waterfall.*

III. About Calke, *Purchas*, *J. B.*; Shirley, *Linton.*

903. **Plantago lanceolata**, L. (Ribwort). Native. British type. Range 1-2-3.

Common everywhere! Ascends up to 500 yards, *Baker, J. B.*

905. **Plantago Coronopus**, L. (Buck's Horn Plantain). Native. British type. Range 1.

I. Cauldwell, *Harris*; Little Eaton, Derby! Reservoir, Osmaston Manor, *Smith MSS.*; Melbourne, *Purchas, J. B.*; between Calke Abbey Park and Melbourne, *Hassé.*

## Division IV. MONOCHLAMYDEÆ.

## ORDER CHENOPODIACEÆ.

**Chenopodium olidum**, Curt. Alien.

III. Found by Mr. Bloxam in the garden at Calke Abbey! and still lingering on the same border some twenty-five years afterwards, when Mr. Bloxam and I saw it together. I believe that it was afterwards destroyed by some alterations, *Purchas, J. B.*

909. **Chenopodium polyspermum** L. Native. English type. Range 1.

III. Near Borrowash Railway Station, *Smith MSS.*; Calke Village and at Calke Mill, *Purchas, J. B.*

911. **Chenopodium rubrum**, L. Native. English type. Range 1.

III. Repton, *Hagger*; Coton-in-the-Elms, *Harris*; Cornfields, Osmaston-by-Ashbourne, *Smith MSS.*; White Hollows and Calke Village, *Purchas, J. B.*

914. **Chenopodium album**, L. (White Goose-foot). Native. British type. Range 1-2.

I. Common about Matlock, *B. and N., J. B.*; ascends to 350 yards at Buxton, *Rogers.*

III. Common about Derby!

917. **Chenopodium Bonus-Henricus**, L. (Good King Henry). Denizen. British type. Range 1-2-3.

I. Wormhill, 400 yards, *West*; Solomon's Temple, Buxton, *Green*; Matlock Bath, *Rowland*; Taddington, *Baker, J. B.*; Miller's Dale! Thorpe Church, *Smith MSS.*

III. Stapenhill, *Harris*; Breadsall! Swarkestone! Norbury Quarry, *Smith MSS.*; near the Churchyard at Tickenhall; Calke, *Purchas, J. B.*; Chellaston, *Hassé.*

*Chenopodium urbicum*, L., *C. murale*, L., *C. hybridum*, L., are recorded in *Repton F. and F.*, but want confirmation.

922. **Atriplex hastata** L. (Orache). Native. British type. Range 1-2-3.

I. Cornfields at Burbage, Buxton, 450 yards, *Baker, J. B.*; Matlock, *B. and N., J. B.*

*Atriplex deltoidea*, Bab.

Stapenhill, *Rev. W. M. H. in Nat. Hist. Tutbury.*

923. **Atriplex angustifolia** L. Native. British type. Range 1-2.

I. Miller's Dale, 250 yards, *Baker, J. B.*; about Matlock, *B. and N., J. B.*; Burbage! Great Longstone!

III. Stapenhill, *Harris*; Calke, *Purchas, J. B.*

923B. **Atriplex erecta**, Huds. Native. British type. Range 1-2.

I. Common about Matlock, *B. and N., J. B.*

III. Between Shirley and Brailsford, *Linton.*

## ORDER POLYGONACEÆ.

931. **Polygonum Bistorta** L. (Snakeweed, Bistort). Denizen. British type. Range 1-2-3.

I. Charlesworth, *Hannan*; Wormhill, *West*; Solomon's Temple, Buxton, *Green*; Matlock, *Rowland*; meadow near the Grammar School, Buxton, 350 yards, *Baker, J. B.*; about Bugsworth, *Rogers*; Fenny Bentley, *Purchas, J. B.*

III. Morley, *Whittaker*; Calke, *Purchas, J. B.*

*Polygonum viviparum*, L.

Eyam Edge, *Gem of the Peak.*

933. **Polygonum amphibium,** L. Native. British type. Range 1-2.

I. Wye Valley at Ashford, 200 yards, *Baker, J. B.*; between Thorpe and Fenny Bentley, *Smith MSS.*

II. Common about Chesterfield, *Waterfall.*

III. Bretby Ponds, *Harris*; Osmaston-by-Derby! Near Ockbrook, *Smith MSS.*; Calke, *Purchas, J. B.*; Shirley, *Linton.*

934. **Polygonum lapathifolium,** L. Native. British type. Range 1-2-3.

I. Near Corbar Wood, Buxton, nearly 400 yards, *Rogers.*

935. **Polygonum Persicaria,** L. (Common Persicaria). Native. British type. Range 1-2-3.

Common on cultivated and waste ground! Ascends up to 450 yards, *Baker, J. B.*

937. **Polygonum Hydropiper,** L. (Water Pepper). Native. British type. Range 1.

II. Common about Chesterfield, *Waterfall.*

III. Common about Derby! Shirley, *Linton*; Calke, *Purchas, J. B.*

*Polygonum minus*, Huds.

Ingleby; Walton, *Nat. Hist. Tutbury.*

939. **Polygonum aviculare,** L. (Knot Grass). Native. British type. Range 1-2-3.

Common; several forms! Ascends up to 450 yards over Burbage, *Baker, J. B.*

941. **Polygonum Convolvulus,** L. (Black Bindweed). Colonist. British type. Range 1-2-3.

I. With the above in cornfields, Burbage, Buxton, *Baker*; Matlock, *B. and N., J. B.*

II. Common about Chesterfield, *Waterfall.*

III. Common about Derby! Fields between Tickenhall and Repton, *Purchas, J. B.*

*Polygonum Fagopyrum*, L.

Chesterfield, *Pilkington's History.*

943. **Rumex Hydrolapathum,** Huds. Native. English type. Range 1.

III. Near Burton-on-Trent, *Harris*; Repton, *Green*; Swarkestone Bridge! Osmaston-by-Derby!

944. **Rumex crispus,** L. Native. British type. Range 1-2-3.

Common everywhere! Ascends up to 450 yards, *Baker, J. B.*

945. **Rumex pratensis,** M. and K. Native. English type. Range 1-2.

I. Dove Dale; Cromford Canal, Whatstandwell, *B. and N., J. B.*

III. Near Repton, *Repton F. and F.*

**Rumex alpinus,** L. (Monk's Rhubarb). Alien.

I. One Ash Grange, Monyash, *Bailey.*

947. **Rumex obtusifolius,** L. (Common Dock). Native. British type. Range 1-2-3.

I. Common about Matlock, *B. and N., J. B.* Ascends up to 500 yards, *Baker J. B.*; Dove Dale!

II. Common about Chesterfield, *Waterfall.*

III. About Burton-on-Trent, *Harris*; Calke, *Purchas, J. B.*

948. **Rumex nemorosus,** Schrad. Native. British type. Range 1-2.

I. Bakewell, *Bailey*; Miller's Dale, *West*; Wye Valley, up to Chee Tor, 250 yards, *Baker, J. B.*; Cressbrook Dale!
III. Shirley, *Linton.*

Var. **sanguineus,** L.
I. Dove Dale; Matlock, *B. and N., J. B.*; Via Gellia, *Bailey.*
III. Between Ockbrook and Dale, *Smith MSS.*; Calke, *Purchas, J. B.*

948.* **Rumex conglomeratus,** Murr. Native. British type. Range 1-2.
I. Bakewell, *Hannan*; Dove Dale and Matlock, *B. and N., J. B.*; Buxton, &c.!
III. Burton-on-Trent, *Harris*; Breadsall! Shirley, *Linton*; Calke, *Purchas, J. B.*

950. **Rumex maritimus,** L. (Golden Dock). Native. English type. Range 1.
"Topographical Botany," queried; "Swarston Bridge," *Ray Syn.*

951. **Rumex Acetosa,** L. (Common Sorrel). Native. British type. Range 1-2-3.
Common on heaths! Ascends to the Peak of Axe Edge, 580 yards, *Baker, J. B.*

952. **Rumex Acetosella,** L. (Sheep's Sorrel). Native. British type. Range 1-2-3.
Common on heaths! with the preceding, *Baker, J. B.*

*Oxyria reniformis,* Hook.
Beeby Moor, "*Gem of the Peak.*"

## ORDER THYMELÆACEÆ.

955. **Daphne Laureola,** L. (Spurge Laurel). Native. English type. Range 1-2.
I. Matlock, *Rowland*; Cromford, *Whittaker.*
III. Morley, *Whittaker*; Ockbrook, *Smith*; Spondon, *Hassé.*

956. **Daphne Mezereum,** L. (Mezereon). Denizen. English type. Range 1-2.
I. Thickets in Lathkill Dale, *Smith MSS.*; Dove Valley, in very small quantity, *Purchas, J. B.*

## ORDER EMPETRACEÆ.

960. **Empetrum nigrum,** L. (Crowberry). Native. Scottish type. Range 1-3.
I. Glossop Moors, *Bailey*; Axe Edge! 550 yards, *Baker, B.*

## ORDER EUPHORBIACEÆ.

962. **Euphorbia Helioscopia,** L. (Great Spurge). Colonist. British type. Range 1-2.

I. Common at Matlock, *B. and N.*, *J. B.*; Cornfields above Miller's Dale, 350 yards, *Rogers.*

III. Common about Derby! Shirley, *Linton.*

971. **Euphorbia exigua,** L. Colonist. English type. Range 1-2-3.

I. Railway at Whatstandwell, *B. and N.*, *J. B.*; Miller's Dale, *Whitelegg*; with the preceding, *Rogers.*

II. Common about Chesterfield, *Waterfall.*

III. Repton Waste, *Hagger*; Cauldwell, *Harris*; Ockbrook! Calke, *Purchas*, *J. B.*

972. **Euphorbia Peplus,** L. (Petty Spurge). Colonist. British type. Range 1-2-3.

Common throughout the county! Ascends up to 400 yards, *Baker*, *J. B.*

974. **Euphorbia amygdaloides,** L. (Wood Spurge). Native. English type. Range 1.

I. Woods near Cromford, *Milnes.*

II. Woods about Chesterfield, *Waterfall.*

III. This plant was found by Mr. Bloxam in Calke Park! and in 1859 I was shown a solitary dwindling plant of it which afterwards disappeared, *Purchas*, *J. B.*

*Buxus sempervirens*, L. Alien?

Bretby Gardens, *Glover's History.*

976. **Mercurialis perennis,** L. (Mercury). Native. British type. Range 1-2.

Common in woods and hedge banks throughout the county! Ascends up to 350 yards, *Baker*, *J. B.*

## ORDER URTICACEÆ.

978. **Urtica urens,** L. (Lesser Nettle). Native. British type. Range 1-2.

I. Mellor, *Hannan*; Miller's Dale, *Searle.*

II. Common about Chesterfield, *Waterfall.*

III. Breadsall! Wyaston, *Smith MSS.*; rare about Calke, *Purchas*, *J. B.*; Shirley, *Linton.*

979. **Urtica dioica,** L. (Common Nettle). Native. British type. Range 1-2-3.

Common everywhere! Ascending up to 500 yards, *Baker.*

982. **Parietaria diffusa,** Koch. (Wall Pellitory). Native. British type. Range 1-2.

I. Haddon Hall, 200 yards; Cromford and Bonsall, *B. and N.*, *J. B.*

III. S. Derbyshire, *Purchas*, *J. B.*; Repton! Breadsall, *Whittaker*; Dale; Swarkestone, *Hassé.*

983. **Humulus Lupulus,** L. (Wild Hop). Colonist here. British type. Range 1.

II. Hedges about Chesterfield, *Waterfall.*

III. Breadsall, *Whittaker*; Linton, *Harris*; Repton, *Hagger*; Osmaston-by-Ashbourne, *Smith MSS.*; near Melbourne, *Purchas*, *J. B.*; Shirley, *Linton.*

984. **Ulmus montana,** Smith. (Wych Elm). Native. British type. Range 1-2-3.

I. Common up to 500 yards, *Baker*, *J. B.*; Dove Dale, *B. and N.*, *J. B.*; Monsal Dale, *Searle*; Lathkill Dale!

III. About Burton-on-Trent, *Harris*; Morley! Breadsall! Apparently wild in some places, but often planted, *Purchas*, *J. B.*

985. **Ulmus suberosa,** Ehrh. (Common Elm). Denizen. English type. Range 1-2.

I. Lower part of the Wye Valley, *Baker*, *J. B.*

III. Fine old trees in Calke Park, planted, *Purchas*, *J. B.*

**Cannabis sativa,** L. Alien.

One plant in Corbar Wood, Buxton, *Rogers.*

## ORDER AMENTIFERÆ.

988. **Quercus Robur,** L. (Oak). Native. British type. Range 1-2-3.

I. Woods up to 400 yards, *Baker*, *J. B.*; Dove Dale, *B. and N.*, *J. B.*; Castleton, *Searle.*

II. About Chesterfield, *Waterfall.*

III. Morley!

Var. **pedunculata,** Ehrh.

III. The more common form in the district, *Purchas*, *J. B.*

Var. **sessiliflora,** Salisb.

I. Whatstandwell, *B. and N.*, *J. B.*

III. Breadsall, *Whittaker*; scarce about Calke, *Purchas*, *J. B.*; Shirley Wood, *Linton.*

989. **Fagus sylvatica,** L. (Common Beech). Native. English type. Range 1-2-3.

I. Via Gellia, up to 400 yards, *B. and N.*, *J. B.*; Milltown, Ashover, *Bailey*; Chapel-en-le-Frith, *Searle.*

II. About Chesterfield, *Waterfall.*

III. Kedleston! Burton-on-Trent, *Harris*; only in S. D. as a planted tree, I think, not truly wild, *Purchas, J. B.*; Shirley, *Linton.*

**Carpinus Betulus**, L. (Hornbeam). Alien.

I. Buxton; Mellor, *Wild.*

III. Bretby, *Harris.*

**Castanea vulgaris**, Lam. (Sweet Chestnut). Alien.

I. Chatsworth Park; planted, *Baker, J. B.*

III. Near Newton Solney, *Burkill.*

991. **Corylus Avellana**, L. (Hazel). Native. British type. Range 1-2-3.

Common throughout the county! Ascends up to 400 yards, *Baker, J. B.*

992. **Alnus glutinosa**, L. (Alder). Native. British type. Range 1-2.

I. Wye Valley, up to 300 yards, *Baker, J. B.*; Matlock, *B. and N., J. B.*; Dove Dale!

III. About Derby! About Burton-on-Trent, *Harris*; Shirley, *Linton.*

993. **Betula alba**, L. (Birch). Native. British type. Range 1-2-3.

I. Woods up to 400 yards, *Baker, J. B.*

III. About Derby! Shirley Wood, *Linton.*

995. **Populus alba**, L. (White Poplar). Denizen. English type. Range 1-2.

I. Below Chee Tor, 250 yards, *Baker*; Mellor, *Searle*; Ashwood Dale! Miller's Dale!

II. About Chesterfield, *Waterfall.*

III. Near Burton-on-Trent, *Harris*; planted about Calke, *Purchas, J. B.*

996. **Populus canescens**, Sm. Native. English type. Range 1.

I. Mellor, *Wild.*

III. Bretby, *Harris.*

997. **Populus tremula**, L. (Aspen). Native. British type. Range 1-2-3.

I. Cressbrook Dale, *Sunderland*; Goyt's Clough, 450 yards, *Baker, J. B.*; by R. Wye, Miller's Dale, *Rogers*; near the Dove Holes, Dove Dale, *Purchas, J. B.*

II. About Chesterfield, *Waterfall.*

III. About Calke, perhaps wild, *Purchas, J. B.*; Shirley, *Linton.*

Var. **glabra,** Syme.
III. Yeldersley, *Linton.*

**Populus nigra,** L. (Black Poplar). Alien.
I. Wye Valley up to Ashwood Dale, likely planted, *Baker, J. B.*; planted woods, Matlock, *B. and N., J. B.*
III. Planted about Calke, *Purchas, J. B.*

999. **Salix pentandra,** L. (Bay Willow). Native. Scottish type. Range 1-2.
I. Ashwood Dale!
III. Hognaston, *Smith*; Eggington, *Harris.*

1001. **Salix fragilis,** L. (Crack Willow). Native. British type. Range 1-2.
I. Mellor, *Hannan*; Chatsworth, *Scrimshaw*; Wye Valley, up to 300 yards; Buxton, *Baker, J. B.*; about Matlock. *B. and N., J. B.*
III. Eggington, *Harris*; Shirley, *Linton.*

Var. **britannica.**
I. Mellor, *Hannan.*

1002. **Salix alba,** L. (White Willow). Denizen. British type. Range 1-2.
I. Dove Dale, *Purchas, J. B.*
III. Eggington, *Harris*; Ockbrook, *Smith MSS.*; Calke, but perhaps planted, *Purchas, J. B.*; Shirley, *Linton.*

Var. **vitellina,** L.
I. R. Wye in Monsal Dale, 250 yards, *Baker, J. B.*; Cromford, *Sunderland and Hannan.*
III. Near Burton-on-Trent, *Harris.*

1004. +**Salix undulata,** Ehrh. Native. English type. Range 2.
I. Miller's Dale; one old tree and several younger! This willow has been named *S. triandra,* L. by Mr. Baker, but Dr. J. Buchanan White, to whom I have submitted normal catkins gathered in June last, and abnormal ones gathered in August, 1883, when I visited Miller's Dale in company with the Rev. W. H. Purchas and Mr. C. Bailey, F.L.S., says it is *S. undulata.* Dr. White's notes upon this Willow are as follows:—"The interesting feature of the late summer catkins is that the capsules are more or less pubescent. The spring ones seem to be quite glabrous. Now Smith's *lanceolata* differs from Ehrhardt's *undulata* in having glabrous and not pubescent capsules. *Undulata* is also said to be very rare, and indeed is considered by some salicologists to be a mixture (*i.e.* Ehrhardt mixes up several forms). Andersson and many others consider *lanceolata* and

*undulata* to be synonyms, and to be a hybrid of *triandra* and *viminalis*. Wimmer, on the other hand, makes *lanceolata* a hybrid of *triandra* and *alba*. Till I saw the Miller's Dale plant (the original specimens) I thought Wimmer was probably right. Since then I think he is wrong, and that *lanceolata* and *undulata* are the same, and a hybrid of *triandra* and *viminalis*."

"The great interest attaching to the plant is that it clearly demonstrates the identity of *lanceolata* with glabrous capsules and *undulata* with pubescent capsules, as the one bush shows the two at different times."

The name is therefore + **S. undulata,** Ehrh. (with synonyms, *S. lanceolata*, Sm. *S. Trevirani*, Sprg. *S. multiformis*, Döle. *S. hippophaëfolia*, Thuill).

1005. **Salix purpurea,** L. Native. British type. Range 1-2.

I. Mellor, *Hannan*; Cromford, *Sunderland and Hannan*; by the Wye up to Ashwood Dale, 300 yards, *Baker, J. B.*

III. About Burton-on-Trent, *Harris*.

1006. **Salix rubra,** Huds. Native. English type. Range 1-2.

I. Mellor, *Hannan*.

III. About Burton-on-Trent, *Harris*.

Var. **Forbyana,** Sm.

I. Near Lode Mill, Dove Dale; identified by the Rev. J. E. Leefe, *Purchas, J. B.*; Mellor, *Hannan*.

Var. **Helix,** L.

III. Near Burton-on-Trent, *Harris*.

1007. **Salix viminalis,** L. (Comman Osier). Native. British type. Range 1-2.

I. Mellor, *Hannan*; by the Wye with S. purpurea, *Baker, J. B.*; about Matlock, *B. and N., J. B.*; near Poole's Hole, Buxton! Dove Dale, *Purchas, J. B.*

III. About Derby!

1008. **Salix Smithiana,** Willd. Native. English type. Range 1-2.

I. Mellor, *Wild*; near Chatsworth, *Scrimshaw*; by the R. Wye, Ashwood Dale, 300 yards, *Baker, J. B.*; near Ashover, *Bailey*.

III. Near the Heath End Lodge, Calke Park, planted, *Purchas, J. B.*; Repton, *Burkill and Candler*; Shirley, *Linton*.

1008.* **Salix rugosa,** Leefe. Native. English type. Range 1.

III. In three places near Shirley, *Linton.*

1010. **Salix cinerea,** L. (Grey Sallow). Native. English type. Range 1-2-3.

I. Common up to 500 yards, *Baker, J. B.*

III. About Calke, *Purchas, J. B.*; Shirley, *Linton*; Bretby Wood, *Candler.*

Var. **oleifolia,** Sm.

III. Atlow, *Linton.*

1011. **Salix aurita,** L. Native. British type. Range 1-2-3.

I. Stirrup Wood, Charlesworth, *Whitelegg*; swamps up to 500 yards, *Baker.*

III. About Burton-on-Trent, *Harris*; Bradley, *Linton.*

1012. **Salix caprea,** L. (Great Sallow). Native. British type. Range 1-2-3.

I. Mellor, *Hannan*; common up to 450 yards, *Baker, J. B.*; Matlock; Dove Dale, *B. and N., J. B.*

III. Osmaston Park, by Ashbourne, *Smith*; Burton-on-Trent, *Harris*; about Calke, *Purchas, J. B.*; Shirley, *Linton.*

1017. **Salix repens,** L. Native. British type. Range 1.

III. Etwall, *Linton.*

*Myrica Gale,* L.

Wingerworth, *Pilkington's History.*

## Division V. GYMNOSPERMÆ.

### ORDER CONIFERÆ.

1029. **Pinus sylvestris,** L. (Scotch Fir). Colonist. Scottish type. Range 1-2-3.

I. Planted up to 500 yards, near Buxton, *Baker, J. B.*; self-sown about the Lumsdale Grit Quarries, *B. and N., J. B.*

III. Repton, *Repton F. and F.*

1030. **Juniperus communis,** L. (Juniper). Native. British type. Range 1-2.

I. Ashwood Dale, limestone cliffs, 350 yards, *Baker, J. B.*

1031. **Taxus baccata,** L. (Yew). Native. English type. Range 1-2.

I. Matlock Tor and over Bonsall, *B. and N., J. B.*; plentiful on some of the cliffs in Dove Dale, *Purchas, J. B.*

III. Foremark Bottoms, near Repton, *Hagger*; Morley! About Calke, doubtfully wild, *Purchas, J. B.*

## Class II. MONOCOTYLEDONS.

### Division I. FLORIDÆ.

### ORDER ORCHIDACEÆ.

1033. **Spiranthes autumnalis,** Rich. (Ladies' Tresses). Native. English type. Range 1.

III. Near New Lake, Osmaston Manor, *Smith MSS.*

1036. **Neottia Nidus-avis,** Rich. (Bird's Nest Orchis). Native. British type. Range 1-2.

I. Lathkill Dale, *Whitelegg*; Dove Dale, *Smith.*

III. Wyaston Brook, *Rev. A. T. Puddicombe in Smith MSS.*

1037. **Listera cordata,** Br. (Mountain Twayblade). Native. Scottish type. Range 1-2.

"Topographical Botany," *Mr. Valentine.* Mr. Garner informs me that Mr. V. found this plant on the moors beyond Chatsworth. Beeton Rod, Hassop, "*Gem of the Peak.*"

1038. **Listera ovata,** Br. (Great Twayblade). Native. British type. Range 1-2-3.

I. Grin Woods, Buxton, 400 yards! Ashwood Dale, *Rogers*; Chee Dale, *West*; Cressbrook Dale, *Hannan*; Via Gellia! Dove Dale, *Purchas, J. B.*

III. Near Burton-on-Trent, *Harris*; Bretby, *Hagger*; Shirley, *Linton*; near Dale, *Hassé.*

1039. **Epipactis latifolia,** All. (Helleborine). Native. British type. Range 1-2.

I. Woods about Matlock, *B. and N., J. B.*; Chatsworth, *Harris*; Cromford, *Smith*; Cressbrook Dale! Brassington Rocks and Dove Dale, *Purchas, J. B., q. v. for further information.*

III. Breadsall, *Whittaker*; Osmaston Park; between Locko Park and Spondon, *Smith MSS.*; woody places at Calke; subject to doubt as to whether the name of *latifolia* or *media* should be employed, *Purchas, J. B.*; Copse beyond Peathays Wood, Longford, *Linton*; Spondon, *Hassé.*

**Epipactis media,** Fr.

"Topographical Botany." *Bab. Manual.*

*Epipactis palustris,* Sw.

Bramley, Hassop, *Gem of the Peak.*

1041. **Cephalanthera grandiflora,** Bab. Native. English type. Range 1.

"Topographical Botany." No authority.

*Cephalanthera ensifolia,* Rich.

Markeaton, *Glover's History.*

1045. **Orchis Morio,** L. (Purple Meadow Orchis). Native. English type. Range 1-2.

I. Matlock Bath, *Whitelegg*; Miller's Dale, *Hagger.*

II. About Chesterfield, *Waterfall.*

III. Morley, *Whittaker*; Willington Pits and Repton, *Hagger*; about Burton-on-Trent, *Harris*; Normanton-by-Derby! Osmaston-by-Ashbourne, *Smith MSS.*; near Calke Mill and Tickenhall, *Purchas, J. B.*; Shirley, *Linton*; Ockbrook, &c., *Hassé.*

1046. **Orchis mascula,** L. (Purple Wood Orchis). Native. British type. Range 1-2-3.

I. Wormhill, 400 yards, *West.*

II. About Chesterfield, *Waterfall.*

III. Normanton-by-Derby! Wyaston; Ockbrook, *Smith MSS.*; scarce about Calke, *Purchas, J. B.*; near Dale, *Hassé.*

1048. **Orchis ustulata,** L. Native. Germanic type. Range 1-2.

I. Rare. Matlock Bath, *Whitelegg.*

*Orchis hircina*, Scop.

Crich, *Gem of the Peak.* Clearly an error; so also is

*O. militaris*, L.

Matlock Bath, *Glover's History.*

1051. **Orchis pyramidalis,** L. Native. Germanic type. Range 1.

I. Matlock Bath, *Bailey*; Monsal Dale, *Whittaker*; Via Gellia; not seen in Dove Dale, *Purchas, J. B.*

III. Ockbrook, *Smith MSS.*

1052. **Orchis latifolia,** L. Native. British type. Range 1-2.

I. Monsal Dale, *Bailey.*

III. One specimen seen at Calke, *Purchas, J. B.*

1053. **Orchis maculata,** L. (Spotted Orchis). Native. British type. Range 1-2.

Common throughout the county!

1054. **Gymnadenia conopsea,** Br. (Fragrant Orchis). Native. British type. Range 1-2.

I. Monk's Dale, Wormhill, 350 yards, *West*; Cressbrook Dale! Masson, Matlock Bath! Lathkill Dale, *Smith MSS.*; near Ashwood Dale, *Green*; Via Gellia, *Purchas, J. B.*

III. Ockbrook! Near Osmaston Church, Ashbourne, *Smith MSS.*

1055. **Habenaria bifolia,** Br. (Butterfly Orchis). Native. British type. Range 1-2.

I. Dove Dale, *Rowland*, probably *chlorantha*.

III. Meadows, Osmaston-by-Ashbourne, *Smith MSS.*; Ferriby Brook, Morley, one specimen, *Whittaker*; meadows near Dale, *Hassé*. The specimen in Mr. Bloxam's collection seems rather to be *chlorantha*, *Purchas*, *J. B.* *H. chlorantha*, Bab., occurs at Lathkill Dale; Matlock Bath, *Whitelegg*; Dove Dale, *Smith MSS.*; between Thorpe and Mappleton, *Purchas*, *J. B.*

1056. **Habenaria viridis,** Br. (Frog Orchis). Native. British type. Range 1-2.

I. Charlesworth Coombs, *Whitehead*; Matlock Bath, *Rowland*; about Buxton! Between Parwich and Brassington, *Purchas*, *J. B.*

III. Foremark, *Harris*; Spondon Fields, *Smith MSS.*; meadows at Calke, Bloxam! Ockbrook, *Hassé*.

1057. **Habenaria albida,** Br. Native. Scottish type. Range 1.

I. Near Glossop, *Whitelegg*.

III. Repton F. and F., but wants confirmation!

*Herminium Monorchis*, Br.

Longstone Rakes, Hassop, "*Gem of the Peak.*"

1060. **Ophrys apifera,** Huds. (Bee Orchis). Native. English type. Range 1-2.

I. Matlock Bath, *Rowland*; Monsal Dale! Between Matlock and Carsington, *Smith MSS.*

III. Not seen by either Mr. Bloxam or myself near Calke, but I have learned on sufficient authority that it has been latterly met with in this neighbourhood, *Purchas*, *J. B.*

1061. **Ophrys muscifera,** Huds. (Fly Orchis). Native. English type. Range 1-2.

I. Matlock Bath! Via Gellia, *Hey in Smith MSS.*; sparingly in Dove Dale, *Purchas*, *J. B.*

II. Markland Grips, near Clowne, *Waterfall.*

## ORDER IRIDACEÆ.

*Iris fœtidissima*, L.

Near Willesley Park, *Nat. Hist. Tutbury.*

1067. **Iris Pseudacorus,** L. (Yellow Iris). Native. British type. Range 1.

II. About Chesterfield, *Waterfall.*

III. Burton-on-Trent, *Harris*; Osmaston-by-Derby! Willington! Osmaston-by-Ashbourne, *Smith MSS.*; Pondside at Calke, *Purchas*, *J. B.*

Var. **acoriformis**, Bor.
Osmaston-by-Ashbourne, *Linton*.

*Crocus sativus*, L.
Repton F. and F.; doubtful.

1070. **Crocus nudiflorus**, Sm. (Crocus). Denizen. Intermediate type. Range 1.
Near Derby !

*Crocus vernus*, Willd.
Near Derby, *Glover's History*.

## ORDER AMARYLLIDACEÆ.

1072. **Narcissus Pseudo-narcissus**, L. (Daffodil). Native. English type. Range 1-2.
I. Valley of the Goyt, *Green*; Whatstandwell! Cromford!
II. About Chesterfield, *Waterfall*.
III. Spondon, *Smith*; Horsley Castle, *Whittaker*; between Borrowash and Draycott, *Smith MSS.*; Calke Park, *Bloxom* !; now believed to be extinct, *Purchas, J. B.*

**Narcissus poeticus**, L. Alien.
III. Kedleston !

**Narcissus biflorus**. Curt. Alien.
I. Stark Holmes, Matlock Bath, *Rowland*.

**Galanthus nivalis**, L (Snowdrop). Alien.
An occasional straggler from cultivation.
III. Morley, *Whittaker*; Elvaston, near Derby, *Smith*.

## ORDER LILIACEÆ.

*Lilium Martagon*, L.
Near Buxton, *H. W. in N. B. G.*

**Tulipa sylvestris**, L. Alien.
Remains of former cultivation. Kedleston, *Whittaker*.

1082. **Allium oleraceum**, L. (Wild Garlic). Native. Germanic type. Range 1-2.
I. In the clefts of the rocks, Dove Dale, 1,100 feet, *Purchas, J. B.*
III. Near Repton, *Hagger*.

1083. **Allium vineale**, L. Native. English type. Range 1-2.
Var. **compactum**, Thuill.
I. Castleton, *Hannan*; Dove Dale, *Purchas*; High Tor, Matlock Bath!
III. Sawley, near Derby, *Smith*; Morley, *Whittaker*.

*Allium Schænoprasum*, L. (Chives).
I. Once seen at Winster, *Milnes.*

1086. **Allium ursinum,** L. (Ramsons). Native. British type. Range 1-2.
I. Matlock Bath, *Rowland*; Dove Dale, *Purchas, J. B.*
II. About Chesterfield, *Waterfall.*
III. Burton-on-Trent, *Harris*; Repton Shrubs, *Hagger*; Breadsall! Dale Abbey Woods! Osmaston-by-Ashbourne, *Smith MSS.*; brook at Heath End, *Purchas, J. B.*; Edlaston, *Linton.*

1087. **Gagea lutea,** Ker. Native. Intermediate type. Range 1.
I. Near Bonsall Church, *Rowland.*
II. By R. Erewash, near Langley Mill, May, 1864, *Mr. F. B. Wright in Smith MSS.*

*Ornithogalum nutans*, L.
Near Derby, *Haden in Smith's E. B.*

**Ornithogalum umbellatum,** L. (Star of Bethlehem). Alien.
I. Near Haddon Hall, *Scrimshaw.*

1093. **Hyacinthus nonscriptus,** L. (Wood Hyacinth). Native. British type. Range 1-2.
Common in woods! Ascends up to 300 yards, *B. and N., J. B.*

1095. **Narthecium ossifragum,** L. (Bog Asphodel). Native. British type. Range 1-2-3.
I. East Moor, *Scrimshaw.* (The habitat given in the "Journal of Botany" by Mr. Baker is in Cheshire.)

*Ruscus aculeatus*, L.
Repton, F. and F. Wants confirmation.

1099. **Convallaria majalis,** L. (Lily of the Valley). Native. Germanic type. Range 1-2.
I. Dove Dale, *Purchas*; Lathkill Dale, *Whitelegg*; Monsal Dale! Via Gellia!
III. Near Dale, *Rev. W. H. Edwards in Smith MSS.*

1101. **Polygonatum multiflorum,** All. (Solomon's Seal). Native. English type. Range 1.
"Topographical Botany." *Howitt Cat.*

1102. **Polygonatum officinale,** All. Native. English type. Range 1-2.
I. Rare; near Dove Dale, *Purchas.*

1103. **Paris quadrifolia,** L. (Herb Paris). Native. British type. Range 1-2.

I. Matlock Bath, *West*; Via Gellia! Dove Dale, but scarce, *Purchas, J. B.*

II. About Chesterfield, *Waterfall.*

III. Burton-on-Trent, *Harris*; Shirley Wood, *Smith MSS.*; Brian's Copse, near Tickenhall; also found by *Bloxam* in Calke Park, but no longer seen there, *Purchas, J. B.*; Spondon and near Dale, *Hassé.*

## ORDER DIOSCOREACEÆ.

1104. **Tamus communis,** L. (Black Bryony). Native. English type. Range 1-2.

I. Dove Dale; Limestone woods about Matlock, up to 250 yards, *Baker, J. B.*

II. About Chesterfield, *Waterfall.*

III. Common about Derby in hedges! About Calke, *Purchas, J. B.*; Shirley, *Linton.*

## ORDER MELANTHIACEÆ.

1105. **Colchicum autumnale,** L. (Autumnal Crocus). Native. English type. Range 1.

III. Foremark Meadows, *Harris*; Morley, *Whittaker*; Breadsall! Between Marston Montgomery, and Doveridge, *Smith MSS*; meadows at Swarkestone and Ingleby, *Bloxam!*

## ORDER HYDROCHARIDACEÆ.

**Elodea canadensis,** Rich. (American Waterweed). Alien.

I. Mellor, *Whitehead*; Cromford Reservoirs; canal at Whatstandwell, *B. and N., J. B.*

III. Repton, *Hagger*; Burton-on-Trent, *Harris*; about Calke *Purchas, J. B.*; Shirley, *Linton.*

## ORDER ALISMACEÆ.

1109. **Alisma Plantago,** L. (Water Plantain). Native. British type. Range 1-2.

I. Dove Dale; slow stream and ponds about Matlock, *B. and N., J. B.*

II. About Chesterfield, *Waterfall.*

III. Common about Derby! Calke, *Purchas, J. B.*; Shirley, *Linton.*

Var. **lanceolatum,** With.

Dove Dale! and about Matlock, *B. and N., J. B.*

1110. **Alisma ranunculoides,** L. Native. British type. Range 1.

"Topographical Botany." No authority. Repton F. and F.; wants confirmation.

1113. **Sagittaria sagittifolia,** L. (Arrow Head). Native. British type. Range 1-2.

I. Canal at Whatstandwell, *B. and N.*, *J. B.*

II. About Chesterfield, *Waterfall.*

III. Willington Canal, *Hagger*; Burton-on-Trent, *Harris*; canal at Chaddesden, Derby! Draycott; Weston, *Hassé.*

1114. **Butomus umbellatus,** L. (Flowering Rush). Native. English type. Range 1.

II. Banks Renishaw Canal, Chesterfield, *Waterfall.*

III. Repton, *Hagger*; canal near Derby! R. Derwent at Borrowash, *Hey in Smith MSS.*; Swarkestone, *Bloxam!* Draycott; Anchor Church, *Hassé.*

1116. **Triglochin palustre,** L. (Marsh Arrow Grass). Native. British type. Range 1-2-3.

I. Miller's Dale, *West*; Charlesworth, *Whitelegg*; swamps up to 550 yards on Axe Edge, *Baker*, *J. B.*

III. Osmaston-by-Ashbourne; Ockbrook, *Smith MSS.*; roadside at Calke, *Bloxam!* Peathays, Shirley, *Linton.*

## ORDER POTAMACEÆ.

1118. **Potamogeton densus,** L. Native. English type. Range 1-2.

I. Cromford; canal at Whatstandwell, *Milnes.*

III. Repton. *Hagger*; Osmaston Lake, near Ashbourne, *Smith MSS.*; near Calke Abbey, *Bloxam!*

1119. **Potamogeton pectinatus,** L. Native. British type. Range 1-2.

I. Canal at Whatstandwell, *B. and N.*, *J. B.*

III. Drakelowe, *Harris*; canals at Derby! Melbourne Pool, *Purchas*, *J. B.*; Osmaston Pond, *Linton.*

1121. **Potamogeton pusillus,** L. Native. British type. Range 1.

II. About Chesterfield, *Waterfall.*

III. The Lake, Osmaston-by-Ashbourne, *Smith MSS.*; pool between Foremark Park and Repton Waste, *Purchas*, *J. B.*

1123.* **Potamogeton zosteræfolius,** Schum. Native. English type. Range 1-2,

I. Canal, Cromford, *Bailey.*

III. Drakelowe, *Harris*; canal, Spondon! Swarkestone, *Bloxam!* Melbourne Pool, *Purchas, J. B.*

1124. **Potamogeton crispus,** L. Native. British type. Range 1-2.

I. Reservoirs, Cromford; Dove Dale, *B. and N., J. B.*; above Dove Dale! Thorpe, *Linton.*

III. About Burton-on-Trent, *Harris*; Locko Park! Repton, *Hagger;* Hulland, *Smith MSS.*; near Shirley Mill, *Linton*; Calke, *Purchas, J. B.*

1125. **Potamogeton perfoliatus,** L. Native. British type. Range 1-2.

I. Canal at Whatstandwell, *B. and N., J. B.*

II. About Chesterfield, *Waterfall.*

III. Canal at Spondon! About Burton-on-Trent, *Harris.*

1126. **Potamogeton lucens,** L. Native. English type. Range 1.

III. "This is one of the segregates." Near Calke Abbey, *Bloxam!* "The specimen is too imperfect to allow of certainty. I did not myself meet with it," *Purchas, J. B.*

1131. **Potamogeton rufescens,** Schrad. Native. British type. Range 1.

III. Found by *Mr. Bloxam!* in one of the Calke ponds, Archer's Pool, *Purchas, J. B.*

1132. **Potamogeton natans,** L. Native. British type. Range 1-2-3.

I. Whatstandwell, *B. and N., J. B.*; ponds up to 400 yards, *Baker, J. B.*; in a pond near the Ashbourne and Buxton Road, four miles from Ashbourne, *Purchas, J. B.*

II. About Chesterfield, *Waterfall.*

III. Common about Derby! Archer's Pond, *Purchas, J. B.*; Bradley, *Linton.*

1132.* **Potamogeton polygonifolius,** Pourr. Native. British type. Range 1-2.

I. Rills on Tansley Common, *B. and N., J. B.*

III. A specimen of *Mr. Bloxam's* named "natans" is clearly this species. The bog at Repton Rocks would seem to be the most likely locality, *Purchas, J. B.*

*Potamogeton heterophyllus,* Schreb.

R. Trent, *Nat. Hist. Tutbury,*

*Potamogeton lanceolatus,* Sm. in pt.

Derby, "*Gem of the Peak.*"

*Potamogeton filiformis,* Nolte.

Recorded in J. B., 1881, p. 296, as "rare, near Ashbourne," *Smith,* is an error; it is *P. pectinatus,* L., Ibid., p. 374.

1136. **Zannichellia palustris**, L. Native. British type. Range 1-2.

I. Miller's Dale; R. Wye at Ashford-in-the-Water, *Bailey*; Chee Dale!

III. Eggington, *Harris*; Ockbrook; ponds, Osmaston-by-Ashbourne, *Smith MSS.*; pond in Gill's Park, Tickenhall, *Purchas, J. B.*

## ORDER LEMNACEÆ.

1138. **Lemna minor**, L. (Duck Weed). Native. British type. Range 1-2-3.

I. Ponds up to 400 yards, *Baker, J. B.*

II. About Chesterfield, *Waterfall.*

III. Common about Derby! Ponds at Calke, *Purchas, J. B.*; Shirley, *Linton*; with the succeeding, *Smith MSS.*

1139. **Lemna gibba**, L. Native. English type. Range 1.

III. Ponds, Osmaston-by-Ashbourne, *Smith MSS.*

1140. **Lemna polyrhiza**, L. Native. English type. Range 1.

III. Knowl Hills, *Purchas, J. B.*

1141. **Lemna trisulca**, L. Native. English type. Range 1.

III. Pools, Osmaston-by-Ashbourne, *Smith MSS.*; near Calke Abbey, *Bloxam!* Not met with, *Purchas, J. B.*

## ORDER ARACEÆ.

1142. **Arum maculatum**, L. (Wake Robin, Cuckoo-pint). Native. English type. Range 1-2-3.

Common everywhere! Ascends up to 400 yards at Wormhill, *West.*

1143. **Acorus Calamus**, L. Native. English type. Range 1.

III. Burton-on-Trent, *Harris.*

## ORDER TYPHACEÆ.

1145. **Sparganium simplex**, Huds. Native. English type. Range 1.

II. Near Chesterfield, *Waterfall.*

III. Between Ashbourne and Norbury, *Smith MSS.*; Archer's Pool, *Purchas, J. B.*

1146. **Sparganium ramosum**, Huds. (Great Bur Reed). Native. British type. Range 1-2-3.

I. Matlock; Dove Dale, *B. and N.*, *J. B.*; ponds up to 400 yards, *Baker*, *J. B.*; Mill Dale, near Dove Dale!

II. About Chesterfield, *Waterfall*; Ilkeston, *Hassé.*

III. Old Trent, Repton, *Hagger*; Burton-on-Trent, *Harris*; Normanton-by-Derby! Pools, Osmaston-by-Ashbourne, *Smith MSS.*; Shirley, *Linton*; Archer's Pool. *Mr. Bloxam's* specimen may, perhaps, be *S. neglectum*, Beeby, *Purchas*, *J. B.*

1147. **Typha latifolia**, L. (Reed Mace). Native. British type. Range 1-2.

I. River Etherow, *Hannan.*

III. Near Burton-on-Trent, *Harris*; Willington! Osmaston-by-Ashbourne, *Smith*, *MSS.*; ponds at Calke, *Purchas*, *J. B.*

1148. **Typha angustifolia**, L. Native. English type. Range 1.

III. Morley, *Whittaker*; Archer's Pool, near White Hollows, *Purchas*, *J. B.*

## ORDER JUNCACEÆ.

1151. **Juncus conglomeratus**, L. Native. Intermediate type. Range 1-2.

I. Miller's Dale, 250 yards, *Baker*, *J. B.*; Dove Dale; Tansley, *B. and N.*, *J. B.*

III. Common about Derby! Osmaston-by-Ashbourne, *Smith MSS.*; Dimminsdale, Calke, *Purchas*, *J. B.*; Shirley, *Linton.*

1151.* **Juncus effusus**, L. (Common Rush). Native. British type. Range 1-2-3.

Common up to 550 yards, *Baker*, *J. B.*; common throughout the county in watery places.

1151.* **Juncus diffusus**, Hoppe. Native. English type. Range 1.

I. Canal near Ambergate, *Bailey.*

III. Ockbrook, *Smith*, *MSS.*; but no specimen in Herbm.; Calke Park, where it was pointed out to me by the Rev. W. H. Coleman, *Purchas*, *J. B.*; Upper Pond, Osmaston, *Linton.*

1152. **Juncus glaucus**, Sibth. Native. English type. Range 1-2-3.

I. Common up to 500 yards, *Baker*, *J. B.*; Dove Dale; Matlock, *B. and N.*, *J. B.*

III. Drakelowe, *Harris*; Breadsall! Osmaston-by-Ashbourne, *Smith MSS.*; about Calke, *Purchas*, *J. B.*; Shirley, *Linton.*

1156. **Juncus acutiflorus,** Ehrh. Native. British type. Range 1-2-3.

I. Tansley Moor, &c., *B. and N.*, *J. B.*; Axe Fdge, &c.!

III. Osmaston-by-Ashbourne, *Smith MSS.*; Milton Dam, *Hagger*; about Calke, *Purchas*, *J. B.*; Bradley, *Linton.*

1157. **Juncus lamprocarpus,** Ehrh. Native. British type. Range 1-2-3.

I. Common up to 500 yards, *Baker*, *J. B.*

III. Common in watery places.

1158. **Juncus obtusiflorus,** Ehrh. Native. English type. Range 1.

III. Shirley Wood, *Linton.*

1159. **Juncus supinus,** Moench. Native. British type. Range 1-2-3.

I. Swamps up to 500 yards on Axe Edge, *Baker*, *J. B.*; Tansley Moor, &c., *B. and N.*, *J. B.*; about Buxton!

III. About Calke, *Purchas*, *J. B.*

Var. **Kochii,** Lyme.

III. Bog by Bradley Wood, *Linton.*

1160.* **Juncus compressus,** Jacq. Native. British type. Range 1.

III. Ockbrook, *Smith MSS.*, called therein *J. Gerardi*, Lois. Mr. Baker, to whom I have referred a specimen from Mr. Smith's Herbarium, says:—"I always call the inland plant *J. compressus*, and the shore plant *J. Gerardi*; they are plainly varieties of one type."

1162. **Juncus bufonius,** L. (Toad Rush). Native. British type. Range 1-2-3.

I. Common up to 450 yards, *Baker*, *J. B.*; Matlock, *B. and N.*, *J. B.*; Buxton, &c.!

III. Near Repton Shrubs! About Calke, *Purchas*, *J. B.*; Shirley, *Linton.*

1163. **Juncus squarrosus,** L. Native. British type. Range 1-2-3.

I. Axe Edge! 550 yards, *Baker*, *J. B.*; Tansley Moor, &c., *B. and N.*, *J. B.* Valley of the Goyt!

III. Gresley, *Harris;* bog at Repton Rocks, *Purchas*, *J. B.;* Bradley Wood, *Linton.*

1169. **Luzula sylvatica,** Bich. (Great Wood Rush). Native. British type. Range 1-2-3.

I. Mellor, *Hannan*; Goyt's Clough, 400 yards, *Baker*, *J. B.;* Rowsley, *Hagger;* Charlesworth, *Whitehead.*

II. About Chesterfield, *Waterfall.*

III. Drakelowe, *Harris*; Repton Shrubs!

1170. **Luzula pilosa,** Willd. (Lesser Wood Rush). Native. British type. Range 1-2-3.

I. Ludworth, *Whitehead*; Corbar Wood, and up to 550 yards on Axe Edge, *Rogers.*

II. About Chesterfield, *Waterfall.*

III. Bretby Wood, *Harris*; Repton Shrubs, *Candler*; about Calke, *Purchas, J. B.*; Shirley Wood, *Linton.*

1172. **Luzula campestris,** Br. (Field Rush). Native. British type. Range 1-2-3.

Common everywhere!

1173. **Luzula multiflora,** Lej. Native. British type. Range 1-2-3.

I. Ascends to the Peak of Axe Edge, 550 yards, *Baker, J. B.*; Tansley Moor, &c., *B. and N., J. B.*

III. Shirley, *Linton.*

Var. **congesta,** Koch.

I. Tansley Moor, *B. and N., J. B.*; Valley of the Goyt! Corbar Hill, Buxton, *Rogers.*

III. Near Burton-on-Trent, *Harris*; Repton Shrubs! Horsley Car! Shirley, *Linton.*

1179. **Schœnus nigricans,** L. (Bog Rush). Native. British type. Range 1.

"Topographical Botany," *Howitt Cat.*

## Division II. GLUMIFERÆ.

### ORDER CYPERACEÆ.

1182. **Blysmus compressus,** Panz. Native. English type. Range 1-2.

I. Miller's Dale, *Whitelegg;* 250 yards, *Baker, J. B.*

1184. **Scirpus lacustris,** L. (Bulrush). Native. British type. Range 1.

III. Near Burton-on-Trent, *Harris;* Swarkestone Bridge! Ponds, Osmaston-by-Ashbourne, *Smith MSS.*; Melbourne Pool and in the Trent, *Purchas, J. B.*

*Scirpus triquetus,* L.

Near Derby, *Glover's History.*

1186. **Scirpus setaceus,** L. Native. British type. Range 1-2-3.

I. Charlesworth, *Whitehead;* Chapel-en-le-Frith, *Rogers;* Wye Valley up to 250 yards, *Baker, J. B.;* damp roadsides, Matlock, *B. and N., J. B.*; swamps about Burbage Edge, 400 yards! Dove Dale, *Purchas, J. B.*

III. Ockbrook; Osmaston-by-Ashbourne, *Smith MSS.*; damp spots by the Melbourne Road, *Purchas, J. B.*

1191. **Scirpus sylvaticus,** L. Native. British type. Range 1-2.

I. Monsal Dale, *Smith MSS.*; by the R. Dove, above Hartington, *Purchas, J. B.*

III. Repton, *Hagger*; between Osmaston and Edlaston, *Smith MSS.*; by Springwood Brook and by the upper pond in Calke Park, *Bloxam!*

1192. **Scirpus palustris,** L. Native. British type. Range 1-2-3.

I. Lumsdale Reservoirs, *B. and N., J. B.*; ponds, &c., and up to 400 yards, *Baker, J. B.*; Lathkill Dale, *Smith MSS.*

III. Common in wet places about Derby! Osmaston-by-Ashbourne, *Smith MSS.*

1194. **Scirpus multicaulis,** Sm. Native. British type. Zone 1.

III. Ockbrook, *Smith MSS.*

1196. **Scirpus cæspitosus,** L. Native. British type. Range 1-2-3.

I. Axe Edge! Over 550 yards, *Baker, J. B.*; Charlesworth, *J. T. Rowse.*

1197. **Scirpus acicularis,** L. Native. English type. Range 1.

III. Old Trent, Repton, discovered by *Mr. Hagger.*

*Scirpus fluitans,* L.

Cow ponds, Woodville, *Rev. W. H. Coleman, in Nat. Hist. Tutbury.*

1200. **Eriophorum vaginatum,** L. (Hair's-tail Cotton Grass). Native. British type. Range 1-2-3.

I. Axe Edge and other moors in N. Derbyshire!

III. Ockbrook, *Smith MSS.*

1201. **Eriophorum polystachyon,** L. (Common Cotton Grass). Native. British type. Range 1-2-3.

I. Axe Edge! Exceeding 550 yards, *Baker, J. B.*; Tansley Moor, *B. and N., J. B.*; Coomb's Moss, &c.!

III. Repton, *Hagger;* bog at Foremark Park, *Bloxam!* bog by Bradley Wood, *Linton.*

1204. **Carex dioica,** L. Native. Scottish type. Range 1-3.

"Topographical Botany." *Howitt Cat.*

1205. **Carex pulicaris,** L. (Flea Sedge). Native. British type. Range 1-2.

I. Ascends to 500 yards, *Baker, J. B.*; Stirrup Wood, Charlesworth, *Schofield*, com. *Whitelegg*; Monk's Dale, *West;* roadsides, Buxton; Topley Pike! Cressbrook Dale!

III. Osmaston-by-Ashbourne, *Smith MSS.*; bog at Foremark Park, *Bloxam!* Peathays, *Linton.*

1209. **Carex stellulata,** Good. Native. British type. Range 1-3.

I. Ascends up to 500 yards, *Baker, J. B.;* Charlesworth, *Whitehead*; Axe Edge, *West;* Tansley Moor, *B. and N. J. B.*

III. Common in swampy places!

1211. **Carex ovalis,** Good. Native. British type. Range 1-3.

I. Ascends up to 550 yards, *Rogers;* Mellor, *Wild;* Axe Edge, *West*; Valley of the Goyt! Burbage Edge! Dove Dale!

II. About Chesterfield, *Waterfall.*

III. About Burton-on-Trent, *Harris;* Ockbrook; Osmaston-by-Ashbourne, *Smith MSS.*; near Calke, *Purchas, J. B.;* Shirley, *Linton.*

Var. **bracteata,** Syme.

I. Dove Dale!

1212. **Carex curta,** Good. Native. British type. Range 1-3.

I. Ascends up to 500 yards, *Baker, J. B.;* Axe Edge, *West.*

III. Lane to Yeldersley, *Linton.*

1214. **Carex remota,** L. Native. British type. Range 1-2.

I. Mellor, *Wild;* Charlesworth, *Whitehead;* canal between Whatstandwell and Ambergate, *Bailey;* Via Gellia, *B. and N., J. B.*

III. Eggington, *Harris*; Breadsall Moor! Osmaston-by-Ashbourne, *Smith MSS.*; Calke Park, *Purchas, J. B.*; Shirley, *Linton;* Ockbrook, *Hassé.*

1215. **Carex axillaris,** Good. Native. English type. Range 1.

III. "Topographical Botany," *Bloxam MSS.*

In N. B. G., p. 264, Mr. Bloxam records "*C. axillaris* by the side of the ponds, Calke Abbey." "There is no specimen in the collection, nor did I succeed in finding the plant. It may have disappeared through some cleaning out of the ponds, or from some other cause." *Purchas, J. B.*

1217. **Carex intermedia,** Good. Native. English type. Range 1-2.

I. Lathkill Dale, *Whitelegg.*

III. Between the Church and Osmaston Grange, near Ashbourne, *Smith MSS.;* near the upper pond at Calke, *Bloxam!* The Lake below Madge Lane, and by the Ash Cover, *Linton;* Meadows, Repton, *Candler.*

1220. **Carex muricata,** L. Native. British type. Range 1-2.

I. Monsal Dale, *Whitehead;* Lathkill Dale, *Sunderland;* between Matlock Bridge and Bonsall, 300 yards, *B. and N., J. B.;* between Hartington and Berresford Dale, *Purchas, J. B.*

III. Stanton-by-Bridge, *Harris;* near Clifton; Ockbrook, *Smith MSS.*; Shirley; Bradley, *Linton;* Calke, *Purchas, J. B.*

Var. **Pseudo-divulsa,** Syme. I. Lathkill Dale, *Bailey.*

1221. **Carex divulsa,** Good. Native. English type. Range 1-2.

I. Dove Dale, *Purchas, J. B.*

III. The specimen named thus in Mr. Bloxam's collection is considered unsatisfactory by Mr. Purchas, and he is inclined to consider it *C. muricata* var. *pseudo-divulsa.* "This specimen contrasts, no doubt, with that given as *C. muricata,* but then the latter is of the form which has fewer and larger perigones than usual," *Purchas, J. B.;* Ockbrook, *Hassé.*

1222. **Carex vulpina,** L. Native. British type. Range 1.

III. About Burton-on-Trent, *Harris;* Willington! Kedleston! Osmaston-by-Ashbourne, *Smith MSS.;* Bradley, *Linton*; Ockbrook, *Hassé;* Calke, *Purchas, J. B.*

1223. **Carex teretiuscula,** Good. Native. British type. Range 1.

III. Between Shirley Wood and Rodsley, *Smith MSS.*

1223.* **Carex paradoxa,** Willd. Native. Local type. Range 1.

III. Near Shirley Mill, *Smith MSS.*

1224. **Carex paniculata,** L. Native. British type. Range 1-2.

I. Charlesworth, *Hannan*; Ashover, *Bailey.*

II. About Chesterfield, *Waterfall.*

III. Repton Rocks, *Harris;* Kedleston! Marshy woods, Osmaston-by-Ashbourne, *Smith MSS.;* Archer's Pool and at Milton, *Purchas, J. B.*; Shirley, *Linton.*

1228. **Carex vulgaris,** Fries. Native. British type. Range 1-2-3.

I. Ascends to 500 yards, *Baker, J. B.*; Axe Edge, *West*; Mellor; Miller's Dale, *Wild.*

III. About Burton-on-Trent, *Harris;* Repton Rocks! Ockbrook, *Smith MSS.*; upper pond in Calke Park. *Bloxam's* specimen from Archer's Pool named *acuta* is, I think, this species, *Purchas, J. B.;* Shirley, *Linton.*

Var. **juncella,** Fr.
III. Shirley Wood, *Linton.*

1232. **Carex acuta,** L. Native. British type. Range 1-2.
I. Ashford, *Bailey.*
III. Stapenhill, *Harris* ; between Shirley Wood and Rodsley; Spondon Meadows, *Smith MSS.*; a specimen of Bloxam's, gathered near Swarkestone, and named "*stricta,*" is, I think, this species, *Purchas, J. B.*

1234. **Carex flava,** L. Native. British type. Range 1-3.
I. Swamps up to 500 yards, *Baker.*
III. Boggy places, Osmaston-by-Ashbourne, *Smith MSS.*; Shirley, *Linton*; damp places by the side of the Calke and Melbourne Road, *Purchas, J. B.;* bog at Foremark Park, *Bloxam* !

Var. **lepidocarpa,** Tausch.
I. Charlesworth Coombs, *Whitehead;* Axe Edge, *Wild;* Buxton, *Rogers.*
III. Morley Moor!

1234.* **Carex Œderi,** Ehrh. Native. British type. Range 1.
III. Between Copse Hill and Wyaston, *Smith MSS.* No specimen is preserved in the Museum of University College, Nottingham, but Mr. Smith understood the difference between this species and the preceding!

1236. **Carex pallescens,** L. Native. British type. Range 1.
III. Turnditch! Meadows, Osmaston-by-Ashbourne, *Smith MSS.;* Calke, Bloxam! Shirley, *Linton.*

1237. **Carex fulva,** Good. Native. British type. Range 1-2.
I. Stirrup Wood, Charlesworth, *Schofield*; com. *Whitelegg.*
III. Near Osmaston-by-Ashbourne, *Smith MSS.*; Peathays, Shirley, *Linton.*

Var. **Hornschuchiana,** Hoppe.
I. Stirrup Wood, Charlesworth, *Whitehead.*

1239. **Carex binervis,** Smith. Native. British type. Range 1-3.
I. Axe Edge and Castleton, 400-500 yards, *West*; Valley

of the Goyt! Charlesworth, *Whitehead;* Tansley Moor, *B. and N., J. B.*

II. Markland Grips, near Clowne, *Waterfall.*

III. About Burton-on-Trent, *Harris;* Shirley Wood, *Smith MSS.;* on some heathy ground near the farm called St. Brides, *Purchas. J. B.*

1240. **Carex lævigata,** Smith. Native. British type. Range 1.

I. Charlesworth, *Whitelegg.*

II. Near Harwood Grange, Chesterfield, *Sunderland.*

III. Osmaston-by-Ashbourne, *Smith MSS.*

1241. **Carex panicea,** L. Native. British type. Range 1-3.

Ascends to 500 yards in swamps, *Baker, J. B.* Common in swampy ground!

1246. **Carex strigosa,** Huds. Native. English type. Range 1.

III. Ockbrook, *Hassé.* Mr. Bloxam's station in *N. B. G.*, "at the bottom of Springwood, Calke Abbey," is unfortunately just over the Leicestershire boundary. The specimen is of the true plant, *Purchas, J. B.*

1247. **Carex sylvatica,** Huds. Native. British type. Range 1-2.

I. Chee Dale, 250 yards, *Baker, J. B.*; Charlesworth, *Whitehead;* Cressbrook Dale! Via Gellia, *B. and N., J. B.*

II. Kirk Hallam, *Hassé,*

III. Burton-on-Trent, *Harris*; park, Osmaston-by-Ashbourne, *Smith MSS.;* about Calke, *Purchas, J. B.*; Shirley Wood, *Linton*; Dale, *Hassé.*

1248. **Carex pendula,** Huds. Native. British type. Range 1-2.

I. Mellor, *Hannan*; Ludworth, *Whitehead*; Miller's Dale and Mellor, *Wild.*

III. Repton, *Repton, F. and F.*

1249. **Carex Pseudo-cyperus,** L. Native. English type. Range 1.

III. Hulland, *Smith MSS.*; Pond-side near Calke, *Bloxam*! In N. B. G., *Purchas, J. B.*

1250. **Carex glauca,** Scop. Native. British type. Range 1-3.

Ascends to 550 yards on Axe Edge, *Baker, J. B.* Common throughout the county!

Var. **Stictocarpa,** Sm.

I. Slopes of High Field, 350 yards, *West.*

1251. **Carex præcox,** Jacq. Native. British type. Range 1-2.

I. Near Buxton, 350 yards, *Rogers*; Mellor and Miller's Dale, *Wild;* Wormhill, *West*; Dove Dale, late *Rev. J. H. Thompson.*

III. About Burton-on-Trent, *Harris;* Little Eaton! Osmaston-by-Ashbourne, *Smith MSS.*; about Calke, *Purchas, J. B.;* Shirley, *Linton.*

1251.* **Carex montana,** L. Native. English type. Range 1.

II. Markland Grips, near Clowne, fide A. Bennett, *Waterfall.*

1252. **Carex pilulifera,** L. Native. British type. Range 1-2.

I. Charlesworth, *Whitehead;* Monk's Dale, *West*; Middleton Dale, late *A. Carr, B. L. Record Club Report.*

III. About Burton-on-Trent, *Harris;* Osmaston-by-Ashbourne, *Smith MSS.;* in one spot at Calke, *Purchas, J. B.;* Shirley Wood, *Linton.*

1255. **Carex digitata** L. Native. English type. Range 2.

I. Monsal Dale, *Percival and Rogers,* com. *Whitehead.*

1255.* **Carex ornithopoda,** Willd. Native. English type? Range 2.

I. Miller's Dale, discovered by *Mr. Whitehead and Mr. Newton;* (350 yards, *West;*) in Cressbrook Dale, by *Mr. T. Rogers.*

1257. **Carex hirta,** L. Native. British type. Range 1-2.

I. Miller's Dale, up to 300 yards, *West*; Monsal Dale, *Hannan*; Charlesworth, Coombs, *Schofield,* com. *Whitelegg.*

II. Near Clowne, *Waterfall.*

III. About Burton-on-Trent, *Harris;* Turnditch! Repton, *Hagger;* Ockbrook, *Smith MSS.*; about Calke, *Purchas, J. B.;* about Shirley Mill, *Linton.*

1258. **Carex ampullacea.** Good. Native. Rritish type. Range 1-2.

I. Miller's Dale, *West;* Bakewell; Baslow, *Bailey;* Lathkill Dale, *Whitelegg*; Chee Tor, 250 yards, *Baker, J. B.*; Cromford Valley, *B. and N., J. B.;* Strines Wood, Cromford, *Bailey.*

III. About Burton-on-Trent, *Harris;* Archer's Pool, *Purchas, J. B.;* bog by Bradley Wood, *Linton.*

1259. **Carex vesicaria**, L. Native. British type. Range 1-2.

I. Miller's Dale, 300 yards, *West*; near Stirrup Wood, Charlesworth, *Schofield* com. *Whitelegg;* Ashover, *Bailey;* Ludworth, *Whitehead.*

III. Near Ingleby, *Bloxam*! Elvaston, *Hassé*; Repton, *Candler.*

1260. **Carex paludosa**, Good. Native. British type. Range 1.

I. Lathkill Dale, *Hannan and Sunderland*; banks of R. Bradford at Youlgreave, *Purchas, J. B.*

III. About Burton-on-Trent, *Harris*; Lower Lake, Osmaston Manor, *Smith MSS.;* Shirley, *Linton*; Ingleby and Hilton, *Hassé.*

Var. **Kochiana**, Gaud.

III. Copse by Peathays, and near the Ash Cover, Shirley, *Linton.*

1261. **Carex riparia**, Curt. Native. British type. Range 1-2.

I. Bakewell, 200 yards, *West*; near Bradbourne Mill, *Purchas, J. B.*

III. About Burton-on-Trent, *Harris*; Hilton! Willington! Repton! Osmaston-by-Ashbourne, *Smith MSS.*; ponds at Calke, *Purchas, J. B.*; Ingleby, *Hassé.*

## ORDER GRAMINEÆ.

1269. **Phalaris arundinacea**, L. (Reed Grass). Native. British type. Range 1-2.

Ascends to 300 yards, *Baker, J. B.* Very common in watery places!

**Phalaris canariensis**, L. (Canary Grass). Alien.

I. Roadsides about Matlock, casual, *B. and N., J. B.*; Burbage, Buxton!

III. Askew Hill, Repton, *Hagger.*

1271. **Anthoxanthum odoratum**, L. (Vernal Grass). Native. British type. Range 1-2-3.

Ascends up to the Peak of Axe Edge, 550 yards, *Baker, J. B.* Common throughout the county!

1273. **Phleum pratense**, L. (Timothy Grass). Native. British type. Range 1-3.

I. Common up to 450 yards, *Baker, J. B.*; Wormhill, *West*; Dove Dale!

Var. **nodosum**, L.

I. Ashford Dale, *Hannan*; Miller's Dale, *Whitehead*; Mellor, *Wild*; Dove Dale!

III. Stapenhill, *Harris*; Shirley, *Linton*.

1278. **Alopecurus pratensis**, L. (Fox-tail Grass). Native. British type. Range 1-3.

Common up to 500 yards, *Baker*, *J. B.* Common throughout the county in pastures!

1279. **Alopecurus geniculatus**, L. Native. British type. Range 1-3.

Swamps up to 500 yards, *Baker*, *J. B.* Common in swampy ground throughout the county!

1282. **Alopecurus agrestis**, L. Colonist. English type. Range 1.

III. Common about Derby! Ockbrook, *Smith MSS.*; about Calke, *Purchas*, *J. B.*

1287. **Milium effusum**, L. Native. British type. Range 1-2.

I. Ashover, *Bailey*.

III. Dale Abbey Woods, near Ellastone, *Smith MSS.*; Drakelowe, *Harris*; Repton Shrubs!

1288. **Apera Spica-venti**, Beauv. Colonist. Germanic type. Range 1.

III. Osmaston Park, Ashbourne, *Smith MSS.*

1290. **Agrostis canina**, L. Native. British type. Range 1-3.

I. Swamps by "Cat and Fiddle," *Baker*, *J. B.*; but this house is not in Derbyshire!

III. Short dry turf, Osmaston-by-Ashbourne, *Smith MSS.*; heathy parts of Calke Park, *Purchas*, *J. B.*; Bradley Wood; Shirley Wood, *Linton*.

1291. **Agrostis vulgaris**, With. (Common Bent Grass). Native. British type. Range 1-3.

I. Ascends on Axe Edge up to 550 yards, *Baker*, *J. B.*; Dove Dale; Matlock, *B. and N.*, *J. B.*

Common on heaths throughout the county!

Var. **pumila**, L.

I. Over 550 yards on Axe Edge, *Rogers*.

III. Damp spots between Calke Mill and Melbourne, *Purchas*, *J. B.*

Var. **nigra**, With.

I. Matlock; "first pointed out to us by Mr. Bagnall as abundant as typical *vulgaris*," *B. and N.*, *J. B.* See below, *A. alba*.

1292. **Agrostis alba,** L. Native. British type. Range 1-2.

I. Cressbrook Dale! Burbage Edge, in plantation!

III. Burton-on-Trent, *Harris*; Shirley, *Linton.* "Observing the uncertainty of the characters, especially those derived from the open or closed panicle, which are usually supposed to distinguish *A. alba* from its allies, I, whilst at Calke, collected a series of illustrative forms which are still in my herbarium. Mr. Bagnall has kindly looked over these, and he finds amongst them his *A. nigra*, which may, therefore, take its place in this list. I cannot, however, say that I had perceived it to be other that one of a series of forms which show the common species of *Agrostis* to be much less sharply and clearly defined in nature than in books."—*Purchas, J. B.*

1294. **Arundo Phragmites,** L. (Great Reed). Native. British type. Range 1-2.

I. Charlesworth, *Whitehead*; reservoirs near Matlock, *B. and N., J. B.*; Monsal Dale!

III. Drakelowe, *Harris*; Duffield! Osmaston-by-Ashbourne, *Smith MSS.*; about Calke, *Bloxam!* R. Trent, Ingleby, *Hassé.*

1295. **Arundo Calamagrostis,** L. Native. English type. Range 1.

III. Gresley, *Harris.*

1296. **Arundo Epigejos,** L. Native. English type. Range 1.

III. Gresley, *Harris.*

1300. **Aira cæspitosa,** L. (Hair Grass). Native. British type. Range 1-3.

Common up to 500 yards, *Baker, J. B.* Common in various parts of the county!

1302. **Aira flexuosa,** L. Native. British type. Range 1-3.

I. Ascends above 550 yards on Axe Edge, *Baker, J. B.* Common on heaths, &c.!

III. Near Burton-on-Trent, *Harris*; Osmaston-by-Ashbourne, *Smith MSS.*; Shirley Wood, *Linton.*

1303. **Aira caryophyllea** L. Native. British type. Range 1-2.

I. Foot of Chee Tor, 250 yards, *Baker, J. B.*; Miller's Dale, *Hannan*; Monsal Dale, *Whitehead.*

III. Near Burton-on-Trent, *Harris*; Horsley Car! Osmaston-by-Ashbourne, *Smith MSS.*; near Calke, *Bloxam*! Shirley, *Linton.*

1304. **Aira præcox,** L. Native. British type. Range 1-2.

I. Charlesworth, Coombs, *Whitehead ;* Miller's Dale, *Hannan.*

III. Bretby Park, *Harris ;* Osmaston-by-Ashbourne, *Smith MSS. ;* near Calke, *Purchas, J. B.*

1307. **Avena fatua,** L. Colonist. British type. Range 1.

III. About Calke, *Purchas, J. B.*

1309. **Avena pratensis,** L. Native. British type. Range 1-2-3.

I. Ascends up to 400 yards, *Baker, J. B.*; Miller's Dale, *Hannan;* Monsal Dale, *Whitehead;* Dove Dale ; Matlock, *B. and N., J. B.*

III. Near Burton-on-Trent, *Harris* ; Osmaston-by-Ashbourne, *Smith MSS.*

1310. **Avena pubescens,** L. Native. British type. Range 1-2.

I. Wormhill, 300 yards, *West*; Ashford Dale, *Whitelegg* ; Miller's Dale, *Hannan ;* Buxton, *Wild* ; abundant in limestone pastures about Dove Dale, *Purchas, J. B.*

III. Near Burton-on-Trent, *Harris;* Willington! Osmaston-by-Ashbourne, *Smith MSS.;* Shirley, *Linton*; Repton, *Candler.*

1311. **Avena flavescens,** L. Native. English type. Range 1-3.

I. Ascends up to 400 yards, *Baker, J. B. ;* Litton, *Whitelegg* ; Buxton, *Wild* ; Miller's Dale, *West* ; Wormhill ! King's Sterndale !

III. Near Burton-on-Trent, *Harris* ; Osmaston-by-Ashbourne, *Smith MSS.* ; about Calke, *Purchas, J. B.* ; Shirley, *Linton.*

1312. **Arrhenatherum avenaceum,** Beauv. (Oat-like Grass). Native. British type. Range 1-3.

I. Common on banks ! Ascends up to 400 yards, *Baker, J. B.*

III. Common throughout this district !

Var. **nodosum,** Reichb.

Brailsford, *Linton.*

1313. **Holcus lanatus,** L. (Yorkshire Fog). Native. British type. Range 1-3.

I. Common up to 500 yards, *Baker, J. B.*

III. Common in meadows !

1314. **Holcus mollis,** L. Native. British type. Range 1-3.

I. Common up to 500 yards, *Baker*, *J. B.*
II. and III. Common in meadows!

1315. **Triodia decumbens,** Beauv. Native. British type. Range 1-3.

I. Ascends to 550 yards on Axe Edge, *Rogers*; foot of Chee Tor, *Baker*, *J. B.*; Tansley Moor, *B. and N.*, *J. B.*; Charlesworth, *Whitehead*; Valley of the Goyt!

II. Common near Chesterfield, *Waterfall.*

III. Osmaston-by-Ashbourne, *Smith MSS.*; Bretby Park, *Bloxam*! Calke Park, *Purchas*, *J. B.*; Shirley, *Linton.*

1316. **Koeleria cristata,** Pers. Native. British type. Range 1-2.

I. Miller's Dale, 300 yards, *West*; Blackwell Dale! Monsal Dale! Chee Dale! Dove Dale, *B. and N.*, *J. B.*

III. Very rare. Only in one or two spots and in small quantity, Calke, *Purchas*, *J. B.*

1317. **Melica uniflora,** Retz. Native. British type. Range 1-2.

I. Woods up to 300 yards, *Baker*, *J. B.*; Ashover, *Bailey*; Miller's Dale! Monsal Dale! Dove Dale! Matlock, *B. and N.*, *J. B.*

II. About Chesterfield, *Waterfall.*

III. Knowl Hills, *Hagger*; About Burton-on-Trent, *Harris*; near the Mill at Calke, *Bloxam*! Shirley, *Linton.*

1318. **Melica nutans,** L. Native. Scottish type. Range 1-2.

I. Monk's Dale, 350 yards, *West*; Miller's Dale, *Wild*; Cressbrook Dale, *Whitelegg*; Dove Dale!

1319. **Molinia cærulea,** Moench. Native. British type. Range 1-3.

I. Swamps near "Cat and Fiddle," *Baker*, *J. B.* (not in Derbyshire!); Tansley Moor, *B. and N.*, *J. B.*; Newhaven! Valley of the Goyt!

III. Shirley Woods; near Osmaston Church, *Smith MSS.*; with *Carex binervis* in a heathy clayey spot near St. Bride's; "Bog at Foremark Park," *Bloxam*! *Purchas*, *J. B.*; Peathays, *Linton.*

1320. **Catabrosa aquatica,** Presl. Native. British type. Range 1-2.

I. Near Ebbing and Flowing Well, near Buxton, *Purchas*; canal at Whatstandwell, *B. and N.*, *J. B.*

III. Between Brailsford and Derby, by the roadside, *Smith MSS.*

1321. **Glyceria aquatica,** Sm. Native. English type. Range 1-2.

I. Canal south of Whatstandwell, *B. and N.*, *J. B.*; Dove Dale!

II. About Chesterfield, *Waterfall.*

III. Near Burton-on-Trent, *Harris*; Swarkestone Bridge! canal at Willington! Osmaston-by-Ashbourne, *Smith MSS.*; Calke, *Purchas*!

1322. **Glyceria fluitans,** Br. (Flote Grass). Native. British type. Range 1.

Ascends up to 500 yards, *Baker*, *J. B.*; common throughout the county!

1322B. **Glyceria plicata,** Fries. Native. British type. Range 1-3.

I. Common about Buxton to 500 yards, *Baker*, *J. B.*; Dove Dale, *B. and N.*, *J. B.*; Miller's Dale! Cromford and Chapel-en-le-Frith, *Rogers.*

Var. **pedicillata,** Towns.

I. Edge of Strine's Wood, Cromford, *Bailey*! The Glyceria which is so common in the lower reaches of Dove Dale is this variety, *Purchas*, *J. B.*

Respecting this species Mr. Purchas writes thus:—"There are two forms of *G. plicata*; one, which I suppose to be the typical plant of Fries, is glaucous, with broad, blunt leaves, which are folded in vernation; the other, a much taller plant, quite green, like *G. fluitans*, and with narrow-pointed, simply-folded leaves, and with a much larger panicle; both of these, as well as *G. pedicillata*, were observed by Mr. C. Bailey and myself about the upper reservoirs of the Via Gellia. These forms seem to have received little notice from botanists, but their differences are obvious if a little attention is given to them. Of *G. pedicillata* the fruit seems invariably abortive, if not infested with ergot, to which it is peculiarly liable. I observe that Mr. Townsend in his original description gives no account of the caryopsis, probably never having seen it." —*Purchas*, *J. B.*

1326. **Sclerochloa rigida,** Link. Native. British type. Range 1-2.

I. Wall near Monsal Dale Railway Station, 250 yards, *Baker*, *J. B.*; Miller's Dale, *Whitelegg.*

II. Wall near Clowne, *Waterfall.*

III. Tickenhall Limeworks, *Bloxam*!

1328. **Poa annua,** L. Native. British type. Range 1-3.

Common everywhere! Ascends up to 550 yards, *Baker*, *J. B.*

1331. **Poa pratensis,** L. (Common Meadow Grass). Native. British type. Range 1-3.

I. Ascends up to 500 yards, *Baker, J. B.*; Dove Dale; Matlock, *B. and N., J. B.*; Miller's Dale, *Whitelegg.*

II. About Chesterfield, *Waterfall.*

III. About Burton-on-Trent, *Harris*; Breadsall Meadows! Osmaston-by-Ashbourne, *Smith MSS.*; Shirley, *Linton.*

Var. **subcærulea**, Sm.

Common on limestone walls and cliffs about Buxton, *Baker, J. B.*

1332. **Poa trivialis**, L. Native. British type. Range 1-3.

Common up to 450 yards, *Baker, J. B.* Very common in the county!

1333. **Poa compressa**, L. Native. British type. Range 1-2.

I. Buxton, *Whitelegg*; Blackwell Dale, where it was pointed out to me by Mr. J. W. White, F.L.S., of Clifton; Whatstandwell, *B. and N., J. B.*

III. Swarkestone Bridge, *Bloxam*! Old walls, Repton, and on a root at Calke, *Purchas, J. B.*

1334. **Poa nemoralis**, L. Native. British type. Range 1-2-3.

I. Monk's Dale, 350 yards, *West*; Ashwood Dale; Haddon, *Baker*; Via Gellia, *B. and N., J. B.*; Miller's Dale! Dove Dale, *Smith, MSS.*

III. About Burton-on-Trent, *Harris*; about Calke, *Bloxam*!

1335. **Briza media**, L. (Quaking Grass). Native. British type. Range 1-3.

Common in grassy places! Ascends up to 500 yards, *Baker, J. B.*

1337. **Cynosurus cristatus**, L. (Dog's Tail Grass.) Native. British type. Range 1-3.

Ascends to 500 yards, *Baker, J. B.*; common throughout the county!

1339. **Dactylis glomerata**, L. (Cock's Foot Grass). Native. British type. Range 1-3.

Fields and dry crags! Ascends up to 500 yards, *Baker, J. B.*

1340. **Festuca sciuroides**, Roth. Native. British type. Range 1.

III. Osmaston-by-Ashbourne, *Smith MSS.*; dry banks between Calke and Melbourne, and also at Dimminsdale, *Purchas, J. B.*

1340.* **Festuca pseudo-myurus,** Soy - Will. Native. English type. Range 1.

III. Repton, *Repton, F. and F.*

1342. **Festuca ovina,** L. (Fescue Grass). Native. British type. Range 1-3.

I. Ascends to 550 yards on Axe Edge, *Baker, J. B.*; common on heaths, &c. !

III. Horsley Car ! Osmaston-by-Ashbourne, *Smith MSS.*; wall of plantation near Melbourne, *Purchas, J. B.*; Shirley, *Linton.*

Var. **capillata,** Haeck.

Frequent on gritstone heaths about Matlock, *B. and N., J. B.*

There is in Dove Dale and various other places a very glaucous form, which I presume to be that intended under the name of *F. ovina* var. *glauca*, of the "Student's Flora," *Purchas, J. B.*

1343. **Festuca duriuscula,** L. (*F. rubra*, L.) Native. British type. Range 1-3.

I. Frequent up to 500 yards about Buxton, *Baker, J. B.*; limestone dales about Matlock, *B. and N., J. B.*

III. Horsley Car! About Burton-on-Trent, *Harris*; about Calke, *Purchas, J. B.*

1345. **Festuca sylvatica,** Vill. Native. Scottish type. Range 1-2.

I. Stirrup Wood, Charlesworth, *Whitehead*; Ashford Dale !

1346. **Festuca elatior,** Auct. Native. British type. Range 1-2.

I. Taddington Wood, 250 yards, *Baker, J. B.*; Dove Dale and elsewhere; especially plentiful in the Via Gellia; when in flower its divaricate panicle branches make it conspicuous, *Purchas, J. B.*

III. Shirley, *Linton.*

Var. **arundinacea** Auct.

I. Miller's Dale; Cressbrook Dale, *Hannan.*

1347. **Festuca pratensis,** Huds. Native. British type. Range 1-3.

I. Common up to 500 yards, *Baker, J. B.*

III. Newhall, *Harris*; Osmaston-by-Ashbourne, *Smith MSS.*

Var. **loliacea,** Huds.

I. Charlesworth, *Whitehead*; near Ashford Hall, *Bailey.*

III. Osmaston-by-Ashbourne; meadows at Spondon, *Smith MSS.*

1348. **Bromus giganteus,** L. Native. British type. Range 1-2.

I. Wye Valley up to Buxton, 300 yards, *Baker, J. B.*; Dove Dale, and thickets about Matlock, *B. and N., J. B.*

III. Ockbrook, towards Dale, *Smith MSS.*; about Calke, *Purchas, J. B.*

1349. **Bromus asper,** L. Native. British type. Range 1-2.

I. Common in the limestone dales! Ascends up to 300 yards, *Baker, J. B.*

III. About Burton-on-Trent, *Harris*; Osmaston-by-Ashbourne, *Smith MSS.*; about Calke, *Purchas, J. B.*; Shirley, *Linton.*

This species and the preceding one are equally plentiful, according to Mr. Baker, in the woods of the mid-agrarian zone, both in Lakeland and in Yorkshire.

1350. **Bromus sterilis,** L. Native. British type. Range 1-3.

I. Ascends to limestone rocks over Castleton, *Baker, J. B.*; about Matlock, *B. and N., J. B.*

III. Horsley Car! Burton-on-Trent, *Harris*; about Calke, *Purchas, J. B.*; Shirley, *Linton.*

1353. **Bromus erectus** Huds. Native. English type. Range 1-2.

I. Miller's Dale, *Hannan*; Cressbrook Dale, *Sunderland and Hannan.*

II. Markland Grips, near Clowne, *Waterfall.*

III. Between Osmaston Manor and Copse Hill, *Smith MSS.*

1354. **Bromus secalinus,** L. Colonist. English type. Range 1-2.

I. Charlesworth, *Whitehead.*

1355. **Bromus racemosus,** Auct. Native. British type. Range 1-2.

I. Near Dove Dale, *Fraser.*

III. Damp grassy places, especially where water stands in winter, *Purchas, J. B.*

1356. **Bromus mollis,** L. (Goose Corn). Native. British type. Range 1-3.

Common everywhere! Ascends up to 500 yards, *Baker, J. B.*

**Bromus arvensis,** L. Alien.
III. Roadside, Shirley, *Linton.*

1357. **Brachypodium sylvaticum,** Beauv. Native. British type. Range 1-2.
I. Common in the limestone dales and woods of the district! Ascends up to 350 yards, *Baker, J. B.*
III. Norbury, *Smith MSS.*; hedge-banks, &c., about Calke, *Purchas, J. B.*; Shirley, *Linton.*

1358. **Brachypodium pinnatum,** Beauv. Native. Germanic type. Range 1-2.
I. Crich Stand, *Whitelegg*; Matlock Bath, *Smith MSS.*

1359. **Triticum caninum,** Huds. Native. British type. Range 1-2.
I. Common in the limestone woods up to Buxton, 350 yards, *Baker, J. B.*
III. About Burton-on-Trent, *Harris*; between Snelston and Norbury Church, *Smith MSS.*; banks of brook at Heath End, *Purchas, J. B.*; the Ash Cover, *Linton.*

1360. **Triticum repens,** L. (Twitch). Native. British type. Range 1-3.
I. Common in the district! Ascends up to 400 yards, *Baker, J. B.*
II. and III. Common in these districts!

Var. **barbata,** Duval Jouve.
III. Shirley, *Linton.*

1363. **Lolium perenne,** L. (Rye Grass). Native. British type. Range 1-3.
Common everywhere! Ascends up to 500 yards, *Baker, J. B.*

**Lolium italicum,** A. Br. (Italian Rye Grass). Alien.
I. Introduced about Matlock, *B. and N., J. B.*
III. Fields about Calke, *Purchas J. B.*

1364. **Lolium temulentum,** L. (Darnel). Colonist. British type. Range 1-2.
I. Cornfield, casual; about 350 yards; above Miller's Dale Station, *Rogers.*
III. Near Rodsley, *Smith, MSS.*

1366. **Hordeum sylvaticum,** Huds. (*Elymus europæus* of the old botanists). Native. English type. Range 1-2.
I. On the Bakewell Road, Buxton, *C. Babington. Report Bot. Record Club,* 1877, p. 245. Stirrup Wood, Charlesworth, *Hannan.*

1367. **Hordeum pratense,** Huds. Native. English type. Range 1.

III. Osmaston-by-Ashbourne, *Smith MSS.*; meadows at Calke, *Purchas, J. B.*

1368. **Hordeum murinum,** L. (Wild Barley). Native. English type. Range 1.

III. Common about Derby! At Swarkestone Bridge and at Repton, *Purchas, J. B.*; Chellaston, *Hassé.*

1370. **Nardus stricta,** L. (Mat Grass). Native. British type. Range 1-3.

I. Common on all the moors, &c.! Ascends over 550 yards on Axe Edge, *Baker, J. B.*

III. Linton Heath, *Harris*; Osmaston-by-Ashbourne, *Smith MSS.*; near Calke Abbey, *Bloxam*! towards Bradley, *Linton.*

## Class III. CRYPTOGAMEÆ.

### ORDER FILICES.

1372. **Ceterach officinarum,** Willd. (Scale Fern, Rusty Back). Native. English type. Range 1.

I. Very rare, nearly extinct! This fern, which Mr. Purchas was credibly informed was formerly abundant on the rocks of Dove Dale, is almost entirely extinct through the ravages of so-called guides, he being able to find only a single small plant. *Purchas, J. B.*

III. Found by Mr. Bloxam in one spot, *Purchas J. B.*

1374. **Polypodium vulgare,** L. (Common Polypody). Native. British type. Range 1-2.

I. Common! Limestone cliffs up to 300 yards, *Baker, J. B.*

II. and III. Common on walls

1375. **Polypodium Phegopteris,** L. (Beech Fern). Native. Scottish type. Range 1-2.

I. Rare! Near Hartington, between Ashopton and Snake Inn, *F. B. Wright in Smith MSS.*

1376. **Polypodium Dryopteris,** L. (Oak Fern). Native. Scottish type. Range 1-2.

I. Rare!

III. Star wood, *J. Bohler in Smith MSS.*

1377. **Polypodium Robertianum,** Hoffm. Native. English type. Range 2.

I. Limestone dales and cliffs! between 250 and 350 yards, *Baker, J. B.*; extinct in Dove Dale, *Purchas, J. B., i.e.*, on the Derbyshire side.

1378. **Allosorus crispus,** Bernh. (Parsley Fern). Native. Highland type. Range 2.

"Topographical Botany." Queried.

1379. **Cystopteris fragilis,** Bernh. (Bladder Fern). Native. British type. Range 1-3.

I. Limestone cliffs over Castleton, 400 yards, *Baker, J. B.*; common upon limestone!

II. About Chesterfield, *Waterfall.*

III. Between Ellaston and Ashbourne, *Smith MSS.*

1382. **Polystichum Lonchitis,** Roth. Native. Highland type. Range 1-2.

I. Discovered near Buxton in 1863 by Mr. Reginald Darwin and Mr. J. Huish.—Smith's "Ferns of Derbyshire."

1383. **Polystichum aculeatum,** Newm. (Shield Fern). Native. English type. Range 1-3.

Var. **lobatum**, Sw.

I. Mellor, *Hannan*; Chee Dale; Monk's Dale, Wormhill, 350 yards, *West*; Matlock Bath, *Rowland*; Peak Forest! Nearly eradicated in Dove Dale, *Purchas, J. B.*

III. Osmaston-by-Ashbourne, *Smith MSS.*

1384. **Polystichum angulare,** Newm. Native. English type. Range 1.

I. Rare, *Hannan.* Not seen in Derbyshire by *Mr. Purchas.*

III. Edlaston Wood, *Smith MSS.*

1386. **Lastrea Oreopteris,** Presl. (Mountain Fern). Native. British type. Range 1-2.

I. With *Pteris aquilina* and *Athyrium Filix-fœmina* on Axe Edge, 550 yards, *Baker, J. B.*; Kinder Scout, *Bailey*; Matlock Bath, *Smith*; Burbage Edge!

III. Repton Shrubs, *Harris*; near Osmaston-by-Ashbourne; the Dumbles, Hulland, *Smith MSS.*; Robin's Wood, near Tickenhall, *Purchas, J. B.*

1387. **Lastrea Filix-mas,** Presl. (Male Fern). Native. British type. Range 1-3.

Ascends up to 450 yards in Goyt's Clough, *Baker, J. B.* Common throughout the county!

1389. **Lastrea uliginosa,** Newm. Native. English type. Range 1.

"Topographical Botany." No authority.

1390. **Lastrea spinulosa,** Presl. Native. British type. Range 1-3.

I. A small form; in a slight hollow on the side of Axe Edge, at about 400 yards, *Rogers*; Matlock, &c., *Smith.*

III. Repton Shrubs; Foremark, *Harris*; Repton Rocks! Shirley Wood, *Smith MSS.*

1391. **Lastrea dilatata,** Presl. Native. British type. Range 1-3.

I. Peak of Axe Edge, 550 yards, *Baker, J. B.*; Matlock, in woods, *B. and N., J. B.* Valley of the Goyt! Burbage Edge! Miller's Dale!

III. Osmaston-by-Ashbourne, *Smith MSS.*; woods, common about Calke, *Purchas, J. B.*; Shirley, *Linton.*

1394. **Athyrium Filix-fœmina,** Roth. (Lady Fern). Native. British type. Range 1-3.

I. Rare in the limestone dales; ascends to 550 yards on Axe Edge, *Baker, J. B.*

III. Common throughout the district!

1395. **Asplenium viride,** Huds. (Green Spleenwort). Native. Highland type. Range 1-3.

I. Ascends up to 400 yards, *West*; very rare; nearly extinct!

1396. **Asplenium Trichomanes,** L. (Maiden-Hair Spleenwort). Native. British type. Range 1-3.

I. Dove Dale! Miller's Dale! Up to 400 yards, *West.*

II. About Chesterfield, *Waterfall.*

III. Walls about Derby! Osmaston-by-Ashbourne, *Smith MSS.*; walls at Calke, *Purchas, J. B.*; Dale, *Hassé.*

1399. **Asplenium Adiantum-nigrum,** L. (Black Spleenwort). Native. British type. Range 1-2.

I. Via Gellia, *Rowland.*

III. Anchor Church, near Repton, *Harris*; Doveridge Church; Brailsford, *Smith MSS.*; walls at Calke, *Purchas, J. B.*

1400. **Asplenium Ruta-muraria,** L. (Wall Rue). Native. British type. Range 1-3.

I. Limestone cliffs, ascending to 400 yards over Castleton, *Baker, J. B.*; walls about Matlock, *B. and N., J. B.*

III. Common on walls about Derby! Osmaston-by-Ashbourne, *Smith MSS.*; walls at Calke, *Purchas, J. B.*

1402. **Scolopendrium vulgare,** Sym. (Hart's-tongue). Native. British type. Range 1.

I. Near Buxton, *Green*; about Matlock, avoids the Gritstone, *B. and N., J. B.*

II. About Chesterfield, *Waterfall.*

III. Near Derby! Osmaston-by-Ashbourne, *Smith MSS.*; Calke, *Purchas, J. B.*; Shirley, *Linton.*

1403. **Blechnum boreale,** Sw. (Hard Fern). Native. British type. Range 1-3.

I. Ascends to 550 yards on Axe Edge, &c., *Baker, J. B.*; Burbage Edge!

II. Heaths about Chesterfield, *Waterfall.*

III. Repton Shrubs, *Harris*; Osmaston-by-Ashbourne, *Smith MSS.*; Shirley, *Linton.*

1404. **Pteris aquilina,** L. (Common Brake). Native. British type. Range 1-3.

Ascends to 550 yards on Axe Edge, just meeting *Rubus Chamæmorus*, marking by its cessation the upper limit of Watson's agrarian region, *Baker*; absent from Dove Dale, *Purchas, J. B.*; common on heaths in the other parts of the county!

1409. **Osmunda regalis,** L. (Flowering Fern). Native. British type. Range 1.

I. Formerly near Castleton; now extinct through the operations of fern sellers!

III. Darley Dale, *Rev. R. Jones in Smith MSS.*; between Ashbourne and Derby, *Fielden.*

1410. **Botrychium Lunaria,** Sw. (Moonwort). Native. British type. Range 1-3.

I. Monk's Dale, 350 yards; Matlock Bath, *West*; Charlesworth, *Whitehead*; Burbage Edge, *Green.* I once met with this on one of the hills above Dove Dale at about 1200 feet elevation, *Purchas, J. B.*

III. Foremark, *Harris*; Osmaston-by-Ashbourne, *Smith MSS.*; about Calke in small quantity, *Purchas, J. B.*

1411. **Ophioglossum vulgatum,** L. (Adder's Tongue). Native. British type. Range 1.

I. Burbage, *Wild*; Matlock Bath; Cromford; Thorpe, *Rowland.*

II. About Chesterfield, *Waterfall.*

III. Morley, *Whittaker*; Hognaston, *Rowland*; near Derby! Osmaston-by-Ashbourne, *Smith MSS.*; about Calke, *Purchas, J. B.*; near Hulland, *Linton*; Hopwell Park, *Hassé.*

## ORDER LYCOPODIACEÆ.

1412. **Lycopodium clavatum,** L. (Stag's-horn Moss). Native. British type. Range 1-2.

I. Stenior Clough, near the source of the R. Derwent, *Hannan.*

III. Breadsall Moor formerly, *Whittaker*; near Ashbourne, com. *Purchas.*

*Lycopodium inundatum*, L.

Kinder Scout, *Sims in Bot. Guide.*

*Lycopodium alpinum*, L.

Near Derwent, *Martyn*; Sir William; Abney Moor, "*Gem of the Peak.*"

1416. **Lycopodium Selago**. L. (Fir Club Moss). Native. British type. Range 1-2.

I. Kinder Scout, near Hayfield, *Whitehead*; near Buxton, *Purchas in Smith MSS.*

*Lycopodium selaginoides*, L.

Kinder Scout, *Sims in Bot. Guide.*

## ORDER EQUISETACEÆ.

1420. **Equisetum maximum**, Lam. (Great Horse-tail). Native. English type. Range 1-2.

I. Cromford Dale, *B. and N.*, *J. B.*

III. Near Wyaston Grove; Ockbrook, *Smith MSS.*; Calke, *Purchas*, *J. B.*; the Ash Cover, *Linton.*

1421. **Equisetum umbrosum**, Willd. Native. Scottish type. Range 1.

I. Rowsley, *Prof. Babington*, com. *Burkill.*

III. Ashbourne, *Burkill.*

1422. **Equisetum arvense**, L. (Common Horse-tail). Native. British type. Range 1-3.

I. Common up to 450 yards, *Baker*, *J. B.*

II. About Chesterfield, *Waterfall.*

III. Common about Derby! About Calke, *Purchas*, *J. B.*

1423. **Equisetum sylvaticum**, L. (Wood Horse-tail). Native. British type. Range 1-2.

I. Mellor, *Searle*; Chapel-en-le-Frith; near New Mills, *Rogers*; Burbage Edge!

III. Horsley Car! Osmaston-by-Ashbourne, *Smith MSS.*; about Calke, *Purchas*, *J. B.*; Bradley; Hulland and Shirley, *Linton.*

1424. **Equisetum palustre**, L. (Bog Horse-tail). Native. British type. Range 1-3.

I. Swamps up to 500 yards, *Baker*, *J. B.*; near Axe Edge! Miller's Dale, *West*; Dove Dale!

II. About Chesterfield, *Waterfall.*

III. Ockbrook! Osmaston-by-Derby! Osmaston-by-Ashbourne, *Smith MSS.*; about Calke, *Purchas*, *J. B.*; Shirley, *Linton.*

1425. **Equisetum limosum,** L. Native. British type. Range 1-3.

I. Swamps up to 500 yards, *Baker.*

III. Gresley, *Harris*; Breadsall! Osmaston-by-Derby! Osmaston-by-Ashbourne, *Smith MSS*; about Calke, *Purchas, J. B.*; Shirley, *Linton.*

Var. **fluviatile,** L.

I. Cromford and Lumsdale Reservoirs, *B. and N., J. B.*

III. Bradley, *Linton.*

*Equisetum hyemale,* L.

Measham, *Nat. Hist. Tutbury.*

## ORDER CHARACEÆ.

As the plants belonging to this Order are included in the "London Catalogue," though not included in Mr. Watson's works, they are given here.

**Chara fragilis,** Desv.

I. Canal between Cromford and Whatstandwell, *Bailey.*

**Chara hispida** L.

I. Wardlow, *Searle.*

**Chara vulgaris,** L. (*Chara fœtida,* Braun.)

I. Near Cressbrook Dale, *Searle*; Monsal Dale, *Bailey.*

Var. **longibracteata,** Kuetz.

I. Monk's Dale, *Searle*; brook near Royal Hotel, Matlock Bath, *Bailey.*

**Nitella opaca,** Agardh.

I. R. Amber, Ashover, *Bailey.*

## ADDENDA AND CORRIGENDA.

Page 13, *R. fluitans*, Lam. II. R. Rother, *Waterfall*, is *R. Pseudo-fluitans*, Newb.

,, 16, line 10, insert Order.

,, 17, lines 8 and 13, for "*D.*" read "*D. C.*"

,, 20, add **Barbarea intermedia**, Bor. Casual. III. Yeldersley and Sturston, *Linton.*

,, 21, No. 99, add "II. Eckington Road, near Chesterfield, *Waterfall.*"

,, 22, line 1, for "*rapa*" read "*Rapa.*"

,, 28, line 1, for "*trinervis*" read "*trinervia.*"

,, 32, line 23, add "Sandiacre, *Trent College Magazine.*"

,, 34, No. 247, add "II. near Renishaw, Chesterfield, *Waterfall.*"

,, 35, add "*Ulex nanus*, Forster. I. Near Hayfield and Glossop, *Whitehead.*"

,, 39, line 38, for "*aphaca*" read "*Aphaca.*"

,, 49, line 22, for "*cærulea*" read "*cærulea.*"

,, 52, No. 354*, *Agrimonia odorata*, Mill., add "III. Ladyhole, near Ashbourne, *Linton.*"

,, 57, line 28, for "*hyssopifolia*" read "*Hyssopifolia.*"

,, 59, line 14, for "*Uva crispa*" read "*Uva-crispa.*"

,, 65, line 26, for "*nfesta, Spring*" read "*infesta, Spreng.*"

,, 65, line 36, for "*Pecten Veneris*" read "*Pecten-Veneris.*"

,, 69, line 40, } for "*Teazle*" read "*Teazel.*"
,, 70, line 3, }

,, 72, line 26, for "*Shirley*" read "*Yeldersley.*"

,, 75, line 7, add "Reported from Mellor, *Whitehead.*"

,, 76, line 19, for "*marianus*" read "*Marianus.*"

,, 79, **Senecio erucifolius**, L., "from Chesterfield" is an error.

,, 81, line 26, for "*rapunculus*" read "*Rapunculus.*"

,, 89, *Linaria Cymbalaria* has been traced up the Valley of the Derwent from Sawley to Derwent Chapel, *Trent College Magazine.*

,, 94, No. 830, add "II. Trent College Grounds, *Trent College Magazine.*"

,, 101, No. 905, add "II. Sandiacre, *Trent College Magazine.*"

,, 113, No. 1060, add "II. One plant only near Trent College, *Trent College Magazine*"

,, 127, No. 1239, Omit "Markland Grips, &c."

,, 135, No. 1333, add "var. **polynoda**, Parn. III. near Shirley, *Linton.*"

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